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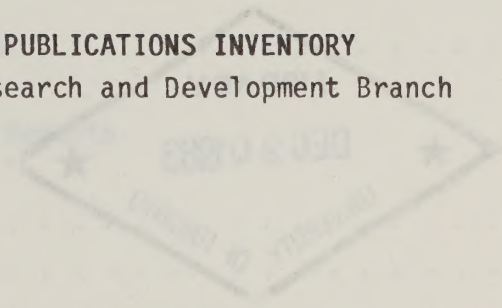


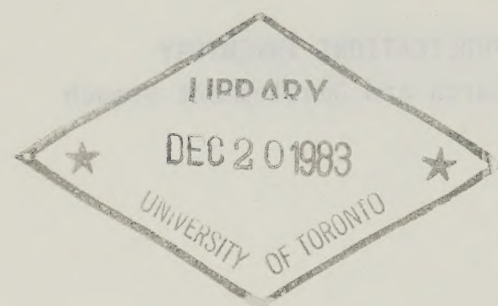


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R.R.3	A Review of Swamp or Muskeg Literature with Methods for Treatment and Recommendations	Brownridge, F.C.			
R.R.4	The Effect of Percent Crushed Variation in Coarse Aggregates for Bituminous Mixes				



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R.R.6	Correlation of Laboratory Compaction with Field Compaction for Asphaltic Concrete Pavements	Field, F.			
R.R.7	Field Evaluation of Methods of Curing Concrete Pavements	Hussell, D.J.			
R.R.8	Highway Shoulders, An Appraisal of Problems and Suggested Remedies	Leslie, A.			
R.R.9	Proper Practices in Culvert Installation	Sodeman, L.G.			

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R.R.11	Soil Stabilizaion Stabilized Shoulder Test Sections, Sudbury District	Leslie, A.			
R.R.12	Effect of Sand Grading Variations and Bituminous Mixes	Field, F.			
R.R.13	Misture Difficulties and Aggregate Drying Problems In Hot-Mix Construction				
R.R.14	Experiences with Inco Slag for Highway Construction Purposes	Wrong, G.		05	

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R.R.17	Experimental Development, In Ontario, of Grouts for Prestressed Concrete Cable Ducts	Smith, P.		01	
R.R.18	Coordination of Concrete Paving Operations By a Trial Area Specification	Smith, P.			
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R.R.22	An Evaluation of Concrete Bonding Agents Confidential Restricted Distribution	Chojnacki, B.			
R.R.23	Bridge Abutment Movements Due to Artesian Pressures at Depth	Rutka, A., L.G. Soderman			
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R.R.27	Observations on Protective Surface Coatings for Exposed or Asphaltic Surface Concrete	Smith, P.		06	
R.R.28	An Evaluation of Joint Fillers	Chojnacki, B.,		01	
R.R.29	Frost Design in Canada	Armstrong, M.D., Csathy, T.I.		03	

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R.R.47	Some Pipe Loading Tests in Stiff Clay	Lo, K.Y., Sternac, A.G.			
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R.R.51	The Constant Dry-Weight Compaction Test	Schonfeld, R.		02	
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R.R.171	An Evaluation of Surface Course Mixes Designed to Resist Studded-Tire Wear	Corkill, J., Fromm, H.		03	
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R.R.191	Elastic Layer Analysis Related to Performance in Flexible Pavement Design	June, F.W., Phang, W.		60	322
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.R.R.210	Roadside Vegetation Management in Ontario	Andresen, J. Lewis- Watts, P.		05	
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R.R.215	Compactions-Strength-Stabilization Properties of Weathered Surface Clays of Southwestern Ontario	Quigley, R.		82	419
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R.R.221	Testing of a Trapezoidal Box Girder Bridge	Holowka, M.		28	270
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SB-76-03	Adoption of Shoulder Belt Use and Changes in Driver Attitudes in Response to the Ontario Seat Belt Legislation: Report on Aggregate Data, Studies of Safety in Transport, Queen's University, Kingston Ontario	Wilde, G.J.S., Ph.D; Cunningham, L., B.A.	May 1976	04	

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MISC	Annual Report: 1981		March, 1981	1	
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SRR-83-02	Appendix of OHBDC Section 13, Wood Code and Commentary		April 1983	0	
AC-78-01	Application of Random Data Analysis in Investigating Rail Wheel Noise and Vibration - Preliminary TTC Measurements			20	18
R.R.131	Application of Transformed Highway Loads to Influence Line of Any Shape	Cagoly, P., Jung, F., Tamberg, K.		06	
AE-81-11	Are Earth Berms Accoustically Better Than Thin Wall Barriers?			15	
R.R.225	Aspects of Prolonged Exposure of Pavements to Sub-Zero Temperatures, Parts 1 and 2	Chrisholm, R.A., Louie, T.M., Phang, W.A.		59	60

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
AT-82-01	Assessment of Automotive Technology for Energy Conservation and Commercialization Opportunities - A Ground Work Study	A. Palm-Leis	December, 1982	1	
R.R.192	Assessment of the Fatigue Life of a Steel Girder Bridge	Cicci, F., Csagoly, P.		53	383
R.R.224	Assigning Grid Co-ordinates and Traffic Zones	Wong, J.		27	200
SL-79-02	Attitude to Street Lighting in a Commercial Area: High Pressure Sodium Lighting Compared to Incandescent Lighting	Herlihy, D.G., Nationwide Market Research; Smith, D., MTC; Deslauriers, B., MTC	1979	30	
SL-79-01	Attitudes to Street Lighting in a Residential Area: High Pressure Sodium and Mercury Vapour Lighting Compared to Incandescent Lighting	Herlihy, D.G., Nationwide Market Research; Smith, D., MTC; Deslauriers, B., MTC	January 1979	34	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
TC-00-00	Audio Teleconferencing		1981	3	
TEMP-00-00 pamphlet	Audio Teleconferencing (TEMP pamphlet)				See TEMP for copies
TC-80-01	Audio Teleconferencing: An Evaluation of the Demonstration Project at MTC	P. Gorys; B. Deslauriers	1981	30	
TC-78-01	Audio Teleconferencing: Internal Needs Survey for Ministry of Transportation and Communications, Ontario; Drivers and Vehicles Research, Systems Research and Development Branch, Research and Development Division	P. Gorys; B. Deslauriers	December, 1978	1	
MISC	Automation in Rapid Transit Control		September, 1977	18	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
PAV-83-01	Automation of Truck Inspection Stations - The Sorter Scale		July 1983	50	0
MISC	Automotive Burglary Protection of Mechanical Equipment Directory		September, 1979	1	
CVOS-78-08	AVPLOT Digital Plotting Program	E.F. Schroeder	June 1978	Not Published	
RM-76-01	Background Consultant Reports Re: Public Attitudes to Ramp Metering on the Q.E.W.	Market Facts Canada Ltd.	1976	5 (& 3 Draft Copies)	
R.R.206	Barrel Trailer for Maximum Collision Protection	Jung, F.		155	

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MISC	Barrel Trailer for Maximum Collision Protection		January, 1977	7	
• TST-00-00	Bay Ridges Dial-A-Bus Experiment Household Attitude Survey	Simmons, B.; Hammelink, M.D.	June, 1971	20	
DI-79-04	Beginner Driver in Ontario	Gardner, N.	December 1979		
SB-77-02	Belt Use in Ontario After 10 Months Following Mandatory Seat Belt Legislation	Pierce, J.	March 1977		
PDO-81-01	Bicycle Policy Review - An Update -	Gaston, B.W.	October 1981	01	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
BM-00-00	BICYCLES AND MOTORCYCLES				
MSR-80-002	Bituminous Friction Course Sections at Lindsay, Ontario		November, 1980	30	
EM-57	Bituminous Interlaboratory Study - 1981 - Marshall Mix Design and Mix Control	J.I. McDougall			
MISC	Black Spots on Ontario's Highways		April, 1978	1	
CVOS-78-05	Braking Decelerometer Tests on Tractor Trailers	Kennedy, W.			



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TIL-76-15	Braking - Decelerometer Design and Evaluation of an Instrument for Testing Brakes of Commercial Vehicles	L.M. Brown; A. Fischer	June 6, 1976		
R.R.182	Brampton Test Road: An Application of Layer Analysis to Pavement Design	Haas, R., Kamel, W., Morris, J.		75	300
R.R.23	Bridge Abutment Movements Due to Artesian Pressures at Depth	Rutka, A., L.G. Soderman			
I.R.50	Bridge Deck Waterproofing in Ontario	Blum, W.		50	
SRR-79-10	Bridge Testing	Bakht, B.; Csagoly, P.	1979, 1980	01, 14	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
R.R.181	Bridge Vibration Study	Agarwal, A., Campbell, T., Csagoly, P.		01	
EM-16	Bridge Waterproofing Combining Form in Place and Preformed Sheet Systems	R.C. Evers			
TST-79-01	Bus Destination Signs: Public Attitudes, Research & Development Division	Barkow, B.; Deslauriers, B.	March, 1979	29	
MISC	Calculation of Load and Performance Factors: Summary Report		May, 1978	3	
SRR-81-01	Calibration of the Ontario Highway Bridge Design Code	Nowak, A.S. (University of Waterloo); Khilesh, A.; Agarwal, C., MTC	July 1981	63	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Canada's Metric System (Exercises)			14	
TS-AP-73-02	Capacity Relationships for Intermediate Capacity Transit Systems				
MISC	Car Pooling Summary		February, 1974	2	
MISC	Carpool Implementation Handbook		January, 1980	1	
TS-AP-77-103	Carpooling Opportunities in Ontario				

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MISC	Case Results of Some 1974 Passenger Car Crashes			3	
I.R.Cat.	Catalogue of Internal Reports	Technology Transfer			
R.R.	Catalogue of Research Reports				
MSP-81-01	Cathodic Protection for Concrete Bridge Deck Restoration	Framm, H.	April 1981	26	
MSP-80-12	Cathodic Protection for Concrete Bridge Deck Restoration - An Interim Report (Revised)	Framm, H.	1980; March 1981	10	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MSP-80-06	Cathodic Protection of Bridge Decks, Three Years Successful Application to an Ontario Deck (To be published)		1980	29	
MSP-80-04	Cathodic Protection of Bridge Decks: A Study of Three Ontario Bridges		1976	01	
ME-83-02	Cathodic Protection of Bridge Structures, Burlington Skyway Test Site. Design & Construction Phases	Schell, H.C.;Manning, D.G.;Clear, K.C.	September 1983		
MSP-80-07	Cathodic Protection of Rebar in Concrete Bridge Decks	Fromm, H.	1977		
CVOS-77-01	CAV Test Data Reduction: A Computer Program Specification	Billing, A.M.	February 17, 1977		

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
SB-78-02	Changes in the Number and Cost of Motor Vehicle Injury Victims in Ontario Following the Introduction of Seat Belt Legislation and Highway Speeds Limit Reduction, 1975-1976	Monitoring System Committee, Ministry of Health MTC	March 1978	45	
R.R.133	Characteristics of Commercial Resorts and Recreational Travel Patterns in Southern Ontario	Boggs, G., McDaniel, R.		02	
AF-82-02	Chassis Dynamometer Test Results with Two CNG/Gasoline Dual-Fuel Vehicles	Topaloglu, T.	December, 1982	42	
MISC	Chloride Ion Content of Concrete Aggregates from Southern Ontario		December, 1977	1	
PAV-80-03	Choosing Cost Effective Maintenance		1981	30	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
M-72-01	Citizen Participation in the Highway 417 (Ottawa) Study - Human, Social and Environmental Factors Research Section	Sharratt, K.	February, 1972		
EM-59	Cold Milling of Asphalt Pavement - An Investigation of Aggregate Degradation	C. Rogers; R.J. Scott			
R.R.19	Cold Weather Concreting	Smith, P.			
R.R.235	Commercial Vehicle Accident Survey - An On-the-Scene Study	Wolkowicz, M.E.; Billing, A.M.			
CVOS-80-04	Commercial Vehicle Air-Brake Timing - A Specification Evaluation	Wolkowicz, M.; Stephenson, W.	December 1980	05	



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CVOS-00-00	COMMERCIAL VEHICLE AND OPERATIONS SAFETY				
MISC	Communications in Ontario		1973	6	
R.R.215	Compactions-Strength-Stabilization Properties of Weathered Surface Clays of Southwestern Ontario	Quigley, R.		82	419
MISC	Comparison of Bias Ply Radial and Wide Base Radial Truck Tires		October, 1978	1	
MISC	Comparison of Three Arterial Traffic Control Strategies Through Field Measurements		August, 1978	1	

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M-76-01	Comparison Testing of Traffic Control Signs (Permissive vs Prohibitive Turn Controls), Drivers & Vehicles Operations Research	Young, P.	May, 1976		
TS-AP-78-104	Computer Aided Scheduling for Wheel Trans Service				
MISC	Computer Aided Scheduling for Wheel-Trans Service		March, 1978	2	
R.R.125	Computer Evaluation of Concrete Quality	Smith, P.		23	
MISC	Computer Prediction of Frost Penetration Beneath Highways		July, 1982	3	

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CVOS-80-05	Computer Program AB22050B Driver Obstacle Avoidance Model	Billing, A.M.	June 1980		
CVOS-79-05	Computer Program AVCAL: Channel Configuration and Calibration Maintenance	A.M., Billing	May 1978		
CVOS-77-06	Computer Program AWMIK: Minimum Steer Rate for Controllability	H.S.W.L.I.	December 16, 1977		
MISC	Computer Program Documentation for a Bubbling Deicing System		December, 1975	FILE COPY ONLY	
I.R.59	Computer Program for Fixed Highway Lighting - Interim Report	Jung, F.; Blaney, C.; Liu, A.		84	

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CVOS-78-09	Computer Program WPDUMPI: Raw Data Dump Program	H.S.W.L.I.	June 1978		
CVOS-78-10	Computer Program WPLOTAV: Calcomp Plot of the Tractor-Semitrailer	H.S.W.L.I.	June 1978		
CVOS-78-02	Computer Program WPTRAJ Trajectory Calculation Program	H.L.I.;Billing,A.M.			
MISC	Computer Systems Program for Roadway Lighting		1976	FILE COPY ONLY	
CIS-83-01	Computer-Controlled Surveillance and Control System on the Queen Elizabeth Way	Tsai,J.	April, 1983		

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TST-73-01	Concerns, Crimes and Annoyances Related to Using the Metro Toronto Public Transportation System, QMTC	Gold, N.	January, 1973		
MISC	Concrete Pavement Surface Textures in Ontario, Development, Testing and Performance		January, 1976	10	
R.R.116	Concrete Paving Practice in Ontario	Smith, P.		15	
R.R.160	Concrete Tee-Beams Subjected to Torsion and Combined Bending and Torsion	Kirk, D., Lash, S.		01	
I.R.23	Concrete Tests We Can Do Without	Smith, P.		2	

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SF-72-05	Consideration Involved with the Construction and Use of Social Indicators	McKegney, D.	August 1972		
R.R.104	Consolidation of Multi-Layered Soils Subjected to Large Load Ratios and One-Dimensional Drainage	Chan, H., Raymond, G.P.		69	30
R.R.103	Consolidation of Some Normally Consolidated Fine-grained Soils Subjected to Large Load Ratios and One-Dimensional Drainage	Raymond, G.P.		23	
MISC	Construction and Performance of Bituminous Friction Course Sections at Lindsay, Ontario		September, 1979	60	
MSR	Construction and Performance of Bituminous Friction Course Sections of Lindsay, Ontario		September, 1979	30	

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MISC	Construction and Performance of Cold Mix		November, 1977	2	
EM-15	Construction and Performance of Cold Mix Placed by the Midland Mix Paver	J. Corkill		2	
EM-22	Construction and Performance of Emulsified Asphalt Cold Mix Pavements in Ontario	R. Acquin			
R.R.119	Construction of a Full-Scale Road Experiment as Part of a Unit-price Contract	Schonfeld, R.		01	
MISC	Construction Program, King's and Secondary Highways		1977/78	1	



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LAB-79-02	Control Box for the Photographic Inventory Van	Fischer, A.	March 1979		
MISC	Control of Reflection Cracking by Use of a Pavement Reinforcing Membrane		January, 1978	1	
EM-11	Control of Reflection Cracking by Use of a Pavement Reinforcing Membrane	B. MacMaster		1	
CSRD-00-00	CONTROL SYSTEMS RESEARCH AND DEVELOPMENT				
R.R.18	Coordination of Concrete Paving Operations By a Trial Area Specification	Smith, P.			

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
R.R.16	Correlation of Engineering and Pedological Soil Classification in Ontario	Rutka, A.			
R.R.6	Correlation of Laboratory Compaction with Field Compaction for Asphaltic Concrete Pavements	Field, F.			
MSP-82-01	Corrosion Inhibitor for Cables in Post-Tensioned Bridges	Framm, H.	December 1982	85	
MISC	Corrosion Inhibitor for Cables in Post-Tensioned Bridges	.	June, 1981	50	
R.R.193	Cracking of Voided Post-Tension Concrete Bridge Decks	Csagoly, P., Holowka, M.		31	272

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I.R.51	Cracks in Concrete Bridge Decks & their Contributions to Corrosion of Reinforcing Steel and Prestressing Cables	Ryell, J.; Richardson, B.		05	
I.R.41	Crushed-Glass in Asphalt-Pavement Construction - A Feasibility Study	Bennett, R.		08	
MISC	Curving Behaviour of Rail Transit Vehicles - A Parametric Study		June, 1980	16	
R.R.147	Cyclic Creep of Granular Materials	Holubec, I.		12	
SB-75-02	Data Gathering Techniques - Roadside and Telephone Survey for Ontario's Seat Belt Education Program	Cunliffe, A.P.; Hieatt, D.; Pierce, J.; Toomer, M.; Young, D.B.	September 23-26, 1975		

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AAP-79-01	Data Requirements for the MTC Affirmative Action Program	Boddy, D.L., Pang, H.C.	January, 1980	10	
SRR-00-00	Decision Criteria for the Rehabilitation of Concrete Bridge Decks	Manning, D.; Ryell, J.	1981	47	
SRR-79-09	Deck Slab Investigation of a Voided Post-Tensioned Concrete Bridge Deck (Bridge No. 20, Hwy 401/427 Intersection)	Holowka, M.	1979	01	
MISC	Definition of a Model for Study of the Dynamics of a Maglev System		September, 1975	1	
DI-79-02	Demerit Point Allocation Study	Gorys, P.; Pang, H.C.	October 1979	14	

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MISC	Demonstration on Project Car-Pool Concepts		June, 1974	3	
EM-8	Dense Mastic Surfacing of an Orthotropic Bascule Bridge	R.C. Evers			
AC-77-07	Descriptors of Freeway Noise: A Guide for Transportation Planners		October, 1977	29	
LAB-79-01	Design and Construction of an AC/DC Remote Voltage Programming Amplifier	Fischer, A.	January 1979		
WE-74-03	Design and Implementation of the Staggered Hours Demonstration	Tiido, Mare	July, 1974	75	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
ME-82-02	Design and Performance of Bituminous Friction Course Mixes		January, 1982	8	
LAB-81-02	Design and Testing of a Demountable Strain Gauge Testing Laboratory for Light Vehicles	Wagner, J.W.	July 1981	17	
R.R.156	Design for Low Traffic-Volume Mun. Roads	Chong, G., Stott, G.		01	
DL-80-02	Design of a Self-Report Measure of Driving Experience	Environics; Research Group		36	
R.R.202	Design of Bubbling De-Icing Facility: Kingston to Wolfe Island	Gandier, J.		123	215

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TIL-75-1	Design of Commercial Vehicle Braking Device	Brown, L.	October 10, 1975	1	
MISC	Design of Elevated Guideway Structures for Light Rail Transit			3	
SRR-79-11	Design of Thin Concrete Deck Slabs of the OHBDC	Csagoly, P.	1979	19	
TST-78-03	Design of Transit Route Guides: A Handbook for the Transit Manager	Heehan, T.E.; Lea, N.D. and Assoc, Staton Advertising; Deslauriers, B. MTC; Coughlin, P. MTC	November, 1978	1	
SRR-83-02	Design of Wood Bridges Using the Ontario Bridge Design Code Part I		April 1983	0	



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	Design Principles for Highway Noise Barriers		November 1975	01	
CSRD-82-01	Design Specifications of a Work Station for Five Platform Scale Truck Inspection Stations	Brown, M.R. Duncan, D. Noy, Y.I.	October, 1982	25	
LAB-80-04	Design & Testing of a Demountable Strain Gauge	Wagner, J.W.	February 1980		
MISC	Design, Construction and Frost Susceptibility of Lime Stabilized Marine Clay in Highway Subgrade Fill		July, 1982	40	
ME-80-82	Detecting Delamination in Concrete Bridge Decks	Manning, D.G.; Holt, F.B.	July, 1982	50	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
ME-82-03	Detecting Deterioration in Asphalt-Covered Bridge Decks	Manning, D.G.; Holt, F.B.	September, 1982	1	
ME-82-02	Detection of Delaminations Below Asphalt-Wearing Courses on Concrete Bridge Decks	Holt, F.B.	May, 1982	8 (Interim Report)	
ME-82-01	Deterioration of Bridge Superstructures, Phase 2	Holt, F.B.	January, 1982	2	
TRE-80-04	Determination of an Optimum Four-Platform Scale for Truck Inspection Stations	A. Alizadeh; A.C. Agarwal	April, 1980	19	
TRE-80-03	Determination of an Optimum Scale Combination for Truck Inspection Stations	A. Alizadeh; A.C. Agarwal	March, 1980	23	

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I.R.54	Determination of Static Dynamic Moduli of Elasticity of a Precast Beam	Bacchus, A.; Brown, L.		56	379
R.R.175	Determining the Maximum Permissible Weights of Vehicles on Bridges	Jung, F., Witecki		42	430
DI-81-02	Determent Effects of Demerit Point System	Maxwell, S.; Clifford, L.	(To Be Published)		
PAV-00-00	Developing a Structural Design System for Ontario Pavements		1970-74	19	
LAB-82-03	Development of a Demountable, Re-usable Transducer for the Measurement of Strain in Steel Structures	Wagner, J.	August 1982	35	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
R.R.157	Development of a Three-Cable Guide Rail System and Other Guide Rail Tests	Smith, P.	1967-68	17	09
TS-80-109	Development of an Integrated Ride Sharing Program to Conserve Energy and Prepare for Energy Shortfalls	Dalton, P.; Harmelink, M; Smith, D	June, 1980		
TDF-82-03	Development of an Updated Travel Demand Forecast	Suokas, P.	May, 1982		
R.R.216	Development of Durability Tests for Shales in Embankments and Swamp Backfills	Hudec, P.		169	131
MISC	Development of Measures of Effectiveness for Transportation Regulation Programs		June, 1979	1	

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I.R.52	Diffraction Strain Gages for Use on Concrete Structures	Hageniers, O.		19	
MISC	Direction in Urban Traffic Management		April, 1981	1	
MISC	Disaggregate Modal Split Models of Downtown Trips in Metropolitan Toronto		April, 1977	3	
TS-AP-77-115	Disaggregate Modal Split Models of Downtown Trips in Metropolitan Toronto				
MISC	Discomfort Glare from Highway Lighting			4	

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DD-74-01	Drinking-Driving in the Province of Ontario A Report to the Provincial Secretary for Justice by the Inter-Ministerial Committee on Drinking and Driving		August 1974	01	
DD-75-01	Drinking-Driving in the Province of Ontario. A Review of "Check Stop" and the 24 hour Licence Suspension	Morton, H.;Bolton, W. Supt.; Hieatt, D.; Cunliffe, T.			
DD-00-00	DRINKING/DRIVING				
TSR-80-01	Driver Approach Behaviour at Signalized Rural Intersections	Pearce, Feyerer; Wildes, G.J.S.; Queen's University	March, 1980	2	
DB-00-00	DRIVER BEHAVIOUR				

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DE-00-00	DRIVER EDUCATION				
DI-00-00	DRIVER IMPROVEMENT				
DI-79-03	Driver Improvement Programs: A Review of Literature	Marcus, A. Clifford L.; Deslauriers, B.	December 1979		
DL-00-00	DRIVER LICENSING				
DRS-00-00	DRIVE-SAVE				

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DD-70-01	Driving	Dept. of Transport	1970	61	
AC-79-01	Durability of Various Sound Absorbing Materials for Highway Noise Barriers		March, 1980	29	44
R.R.203	Durable Bridge Decks	Manning, D., Ryell, J.		47	60
EM-65	Durable Highway Structures - Recent Developments in Ontario (Prepared for presentation at the Annual Conference of the Roads and Transportation Association of Canada, Halifax, Nova Scotia, September 1982)	J. Ryell; D.G. Manning; M. Owens			
MISC	Dynamic Behaviour of Highway Bridge Structures		1969	4	



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TS-80-106	Dynamic Test of the Conestoga River Bridge	Billing, J.R.	July, 1980		
TS-80-105	Dynamic Test of the Grand River Bridge on Highway 401	Billing, J.R.	June, 1980		
TS-80-107	Dynamic Test of the Shawanaga River Bridge	Billing, J.R.	July, 1980		
TS-80-108	Dynamic Test of the Tansley River Bridge	Billing, J.R.	June, 1980		
RE-80-01	Dynamic Testing of Sign Truck Crash Barriers	Jung, F.W.; Maghsoudi, A.; Prabudy, D.	June 1981	30	

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LAB-80-02	Dynamometer Computer Programming Manual	Skelton, S.	January 1980	20	
LAB-80-03	Dynamometer Facility Hardware Manual	Skelton, S.	February 1980		
LAB-80-01	Dynamometer Facility Procedures - computer operation	Skelton, S.	January 1980	01	
LAB-79-05	Dynamometer Procedures	Perfect, N.	December 1979	01	
TS-79-103	DYNSYS: A General Purpose Computer Program - Applicable to the Problems of Dynamics (Users Guide)	Billing, J.R.	August, 1979	1	

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R.R.124	Earlier Determination of Concrete Strength Potential	Smith, P., Trede, H.		06	
R.R.213	Earthflow Terrain Evaluation in Ontario	Mitchell, R.		38	90
R.R.201	Economic Analysis Elements	Kher, R., Phang, W.		47	279
TS-79-105	Economic Evaluation	V. Soots			
MISC	Economic Models for Highway and Street Illumination Designs		June, 1978	1	

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ECN-00-00	ECONOMICS				
MISC	Economy and Performance Evaluation of the "Filter King" Device		January, 1977	1	
EM-28	Effect of Cement Content on Salt Scaling Resistance of Concrete	B. Chojnacki			
CVOS-78-01	Effect of Lawlor Length on Double Trailer Stablity	Schroeder, E.F.		Not Published	
R.R.12	Effect of Sand Grading Variations and Bituminous Mixes	Field, F.			

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
R.R.57	Effectiveness of Bridge Deck Waterproofing Methods Used in Ontario	Corkill, J.T., Lee, G.R.			
I.R.66	Effects of Reduced Speed Limits on Motor Vehicle Operating Speeds in Ontario	Gardner, N.		10	
R.R.191	Elastic Layer Analysis Related to Performance in Flexible Pavement Design	June, F.W., Phang, W.		60	322
MSP-80-01	Electrically Conductive Asphalt Mixes for the Cathodic Protection of Concrete Bridge Decks		1976	04	
MISC	Elevated Guideway Concepts for Light Transit		January, 1976	1	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
TEMP-00-00	Energy Conservation Through Traffic Management: A Handbook of Municipal Opportunities				See TEMP for copies
AF-82-01	Engine Block Heaters - An Evaluation of Their Energy Conservation Potential in Light-Duty Vehicles	Topaloglu, T.	September, 1981	35	
EM-45	Engineering Geotextiles	A.K. Barsavary; Z.L. Katona			
EM-0	ENGINEERING MATERIALS	Available-Room 311, Central Bldg.(248-3286)			
R.R.26	Epoxy Resins for Concrete Construction and Restoration	Chyc, H., Langhammer, K., Smith, P.			

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Essays on Process: A Compendium of Writings		January, 1981	1	
RR.140	Estimation of Annual Average Daily Traffic and Thirtieth Highest Hourly Volume	Hamelink, M.		01	
R.R.219	Estimation of the Natural Frequencies of Continuous Multi-Span Bridges	Billing, J.		269	99
NB-77-01	Etobicoke Freeway Noise Social Impact Survey, Phase 1 - Fall 1976	Deslauriers, B. Environics Research Group MTC	January 1977		
EM-2	Evaluation ACME BETA Series Expansion Joint System Model 240	J.I. MacDougall			

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
SRR-79-01	Evaluation of A Simplified Method of Determining Long Shear In Bridges of Basic Form	Bakht, B.	1979		
EM-9	Evaluation of Anti-Stripping Additives for Asphaltic Concrete Mixes - Effectiveness and Recommended Usage	F. Field			
EM-9Rev.	Evaluation of Anti-Stripping Additives for Asphaltic Concrete Mixes -Effectiveness and Recommended Usage	F. Field			
I.R.48	Evaluation of Asphalt Compaction Using the Mini Road Logger	Parsons, E.		99	55
EM-18	Evaluation of Asphalt Drum Mixing in Ontario (1975-1977)	J. Loughnan			



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R.R.143	Evaluation of Complex Interchange Design by Three-Dimensional Models	Aziz, A., Geissler, E.		82	
R.R.118	Evaluation of Field-Moulded Sealants for Concrete Pavements and Structures	Chojnacki, B.		12	
MSP-82-04	Evaluation of Galvanized Rebars for Concrete Bridge Decks - Interim Report	Fromm, H.	October 1982	25	
I.R.20	Evaluation of Low-Traffic Volume-Municipal Roads: An Interim Report	Chong, G.		41	
TRE-80-07	Evaluation of Scale Approaches at Truck Inspection Stations in Ontario	A.C. Agarwal			

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R.R.229	Evaluation of Shales for Construction Projects - An Ontario Shale Rating System	Franklin, J.A.; Prepared for J.E. Gruspier			
EM-66	Evaluation of Short Cut Gradation Test Procedures	M.D. MacLean			
DI-81-03	Evaluation of the Driver Improvement Counsellor Training Program	MacLeod, P.; Clifford, L.	December 1981	24	
DI-79-01	Evaluation of the Driver Improvement Pilot Project	Gorys, P.	September 1979	03	
I.R.42	Evaluation of the Dynaflect and Pavement Design Procedures	Chong, G.; Stott, G.		89	

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SB-76-07	Evaluation of the Effect of Seat Belt Legislation in Ontario: Preliminary Report	Pierce, J.; Toomer, M.; Gardner, N.; Pang, H.; Orłowski, C.	October 6-8, 1976		
DI-81-01	Evaluation of the Effect of the Interview on Subsequent Driving Records	Clifford, L.; Deslauriers, B.		To Be Published	
SB-00-01	Evaluation of the Effects of Seat Belt Information and Legislation in Ontario	Lonero, L.; Gardner, N.; Pang, H.; Pierce, J.; Toomer, M.; Young, P.			
WE-79-01	Evaluation of the Flexible Working Hours Experimental Program	Gorys, P.; Pang, H.	November, 1979	23	
M-83-02	Evaluation of the MTC Joint Health and Safety Committee Structure	Lewy-Coughlin Partnership for D. Duncan	August 1983		

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TS-AP-76-111	Evaluation of the MTC Traffic Volume Counting Method				
DI-80-02	Evaluation of the Nine Demerit Point Counselling Interview Process	Clifford, L.; P. Weeks; M. Smye		19	
DE-79-01	Evaluation of the Ontario Driver's Handbook: A Preliminary Study	Clifford, L.; Deslauriers, B.;	December 1979	06	
DE-81-01	Evaluation of the Ontario High School Driver Education Delivery System	Clifford, L.; Kenzie, R.			
DD-80-02	Evaluation of the Preliminary Version of the Drinking/Driving Curriculum Unit "Three for the Road"	Marcus, A.; Duncan, D.	April 1981	13	

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DD-80-01	Evaluation of the Slash Print of Power Under Control: Part 1 of "Three for the Road"	Duncan, D.	August 1979	01	
R.R.110	Evaluation of Thin Hot-Mix Surfacing Used on Ontario's Highways	Corkill, J., Bennett, W.		01	
I.R.5	Experience with Automatically Controlled Pavers in Ont.	Corkill, J.		4	
R.R.14	Experiences with Inco Slag for Highway Construction Purposes	Wrong, G.		05	
R.R.41	Experimental Composite Pavement Highway 401 Near Milton	Smith, P.			

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TIL-00-00	EXPERIMENTAL DEMONSTRATION AND TESTING				
R.R.17	Experimental Development, In Ontario, of Grouts for Prestressed Concrete Cable Ducts	Smith, P.		01	
AC-77-06	Exterior Sound Levels of Individual Vehicles on Five Types of Concrete Pavements		August, 1977	27	
R.R.54	Failure of An Embankment Founded On Varved Clay	Lo, K.Y., Sternac, A.G.			
MISC	Fatigue Considerations in the Ontario Highway Bridge Design Code		October, 1979	9	

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MISC	Federal/Provincial Methanol Vehicle Test Program	Elliot, D., Tsang, M.	March, 1983	20	
R.R.7	Field Evaluation of Methods of Curing Concrete Pavements	Hussell, D.J.			
I.R.21	Field Performance of Preformed Neoprene Bridge Joint Seals	Chojnacki, B.		55	
MISC	Field Testing of the Aguasabon River Bridge, Ontario		January, 1975	42	50
MM-64	Field Trial and Laboratory Evaluation of Concrete Containing a Ground Granulated Iron Blast Furnace Slag	G.P. Wilson			

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MISC	Financial Analysis and Assessment - An Introductory Guide		October, 1979	4	
R.R.196	Finite Element Computer Program for Analysis of Plates with Bending and In-Plane Stresses	McNeice, G.		147	121
I.R.72	Floating Silt Barriers for Ontario	McLuckie, R.		55	
R.R.153	Four Years' Experience on the Brampton Test Road	Phang, W.		09	
R.R.53	Friction Losses in Posttensioning Cables in a Prestressed Concrete Bridge				



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R.29	Frost Design in Canada	Armstrong, M.D., Csathy, T.I.		03	
I-42	Frost Heave Measurements of Lime Treated Soil in the Laboratory	A. Hanks			
R.58	Frost Penetration in Highways: The Role of Heat Stored in the Subgrade	Williams, P.		37	
SC	Fuel Conserving Driving Practices: A Preliminary Assessment of Potential Savings Using Computer Simulation		May, 1979		

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MISC	Fuel Efficient Driving		March, 1980		
I.R.22	Full-Scale Impact Tests on Low-Cost Barrier Systems, Lighting Poles & Sign Supports, 1967	Armstrong, M., Jasper, R., Smith, P., Wolkowicz, M.		21	
R.R.129	Functional Relationships Between Actual Truck and AASHO Design Loadings for Simple-Span Bridges	Jung, F., Tamberg, K.			File Copy Only
MISC	Future Perspective - Provincial Highways 1981-2001		May, 1981	7	
M-77-01	Future Studies Research Project: A Preliminary Identification of Some Future Developments which Influence MTC Policy, R & D Division	Sharratt, K.	January, 1977		

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MISC	General Applications Programming for Transit Systems Planning and Analysis		September, 1974	2	
I.R.57	General Applications Programs for Transit Systems Planning & Analysis	Ugge, A.		51	38
CVOS-79-04	Generating a Data Set for Plotting: Documentation of Computer Program WSDATA	A.M. Billing	May 1978		
R.R.121	Generation and Attracton Characteristics in Small Cities	Edwards, H., Hammelirk., M., Harper, G.		09	
EM-1Rev.	Geotechnical Metric Guide	A.K. Barsavary			

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EM-1	Geotechnical Metric Guide (Obsolete; Contact Record Services, 248-3531	A.K. Barsavary			
MISC	Go-Urban and the Transit Demonstration System		April, 1974	1	
AE-83-02	Ground Attenuation Effect of Highway Traffic Noise for Height and Distance	Jung, F.W.	May 1983		
TS-80-104	Ground Vibraton Due to Traffic	Billing, J.R.	March, 1980		
EM-12	Guide to Construction Information System (Concrete) (C.I.S.)	G. Cautillo			

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EM-24	Guide to Coring of Concrete	G.P. Wilson			
EM-67	Guidelines for Acceptance Sampling and Testing of Granular Materials	Quality Assurance Sub-Committee (Soils and Aggregates)			
AE-83-01	Guidelines for Noise Barrier Cost Reduction Procedure	Krawczyniuk, R., Hajek, J.	May 1983		
MISC	Guidelines for the Development of Limit States Design		February, 1980	4	
TRE-81-04	Guidelines No. 2 for the Special Overweight Permits	A.C. Agarwal	February, 1981	58	

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HP-00-00	HEARING PROTECTION				
EM-3	High Early Strength Repair Concrete for Credit River Structure no. 24203	P.K. Mukherjee			
TVS-AP-81-118	High Occupancy Vehicle Lanes on Freeways		June, 1981	19	
R.R.137	High Speed Data Processing for Fleet Management	Shen, K., Slubicki, J.		01	
I.R.49	High Strength Ready-Mix Concrete Using Selected Materials	Ryell, J.; Edwards, M.		05	

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MISC	Highway 401 Corridor Traffic Systems Management Study (Volume I-V)		April, 1980	2	
SP-006-00	Highway 401 - Metropolitan Toronto Traffic and Travel Characteristics	Lau, R.C.	May 1982	50	180
M-75-01	Highway 402 Feasibility Study Strathroy to Highway 401: A Case Study -Human and Social Factors Research Section	Mills, R.P.	January, 1975		
I.R.32	Highway Maintenance Management in Ontario: A Progress Report	Rendulic, F.; Hickey, T.		09	
I.R.6	Highway Maintenance Training in the Province of Ontario	Leslie, A.		File Copy Only	

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AC-78-03	Highway Noise Barrier Location For Maximum Benefit Cost		February, 1978	30	18
AC-79-05	Highway Noise Barrier Perceived Benefit		June, 1979	8	
AE-81-06	Highway Noise Barriers Options - East of Cawartha Road			1	
AC-78-10A	Highway Noise Barriers - An Audio Visual Program Part I - User's Guide				
AC-79-06	Highway Noise Barriers - New Shapes		July, 1979	10	



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NB-79-01	Highway Noise Barriers: A Review of Non-Acoustical Effects	Kornets, J.; Sharratt, K.	March 1979	17	
R.R.8	Highway Shoulders, An Appraisal of Problems and Suggested Remedies	Leslie, A.			
MISC	Highway Transportation Research in Canada		January, 1982	5	
AAP-80-01	Hire/Promotion Targetting	Pang, H.C.			
MISC	Honour Fares		October, 1978	5	

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CVOS-77-02	HOPE Anti-Jackknifing Device Testing: Description and Data Analysis	Meleskie, L.;Billing, A.M.	April 19, 1977		
EM-63	Hot Mix Paving Cessation Temperatures	G. Cautillo; J. Pretty			
EM-56	Hot Mix Recycling	R. Evers			
MISC	Hydrogen as a Transportation Fuel - A State-of-the-Art Survey		May, 1978	5	
TS-79-107	ICTS Propulsion System Test Report - Canadian ICTS Document TR 111 630 005	Duncan, I.	June, 1979	1	

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IE-00-00	ILLUMINATION REPORTS				
TRE-80-09	Impact Analysis of Special Overweight Permit Guidelines	A.C. Agarwal; L. Sims	December, 1980	20	
MISC	Impact Design Crash Cushions for Non-Stationary Barriers		January, 1976	12	
R.R.205	Impact Design of Crash Cushions for Non-Stationary Barriers	Billing, A., Jung, F.		158	
R.R.158	Impact Testing of Lighting Poles and Sign Supports	Smith, P.	1967-68	02	

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MISC	Impediments to the Use of Propane as a Fuel in Road Transportation		April, 1980	1	
TRE-81-02	Implementation of the Axle Weight Control in Special Oversize/Overweight Permits		February, 1981	51	
MISC	Improved Driving Qualities of HWY 401 Toronto By-Pass		February, 1976	13	
WE-80-01	Improving Office Efficiency in the Human and Social Systems Office	Gorys, P.			
MISC	Infrared Thermography for the Detection of Delaminations in Concrete Bridge Decks		August, 1978	20	

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SP-002-00	Injury (Summary)	MTC		30	
SP-003-00	Injury (Technical Report)	MTC		01	
TIL-75-9	Instrumentation of the Parley Bridge (Highway #39 Hawkesbury)	Wagner, W.	December 10, 1975	7	
R.R.136	Interim Report on a Full-Scale Road Experiment	Phang, W.		127	174
R.R.154	Interim Report on the Formulation of an Economic Evaluation Framework for Provincial Highway Investment	Hutchinson, B.		1	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
EM-47	Interlaboratory Reference Sample Programs for Aggregate, Asphalt, Concrete and Soil Tests	B. Chojnacki; J.I. McDougall			
EM-38	Interlaboratory Study of the Precision of Some Aggregate Test Methods (Interim Report #2)	C. Rogers; I. Bullen		2	
EM-30	Interlaboratory Study of the Precision of Some Aggregate Tests, Interim Report	C.A. Rogers; Lise Manchester			
MISC	Intermediate Capacity Transit - Ontario Program		February, 1974	20	
I.R.	INTERNAL REPORTS				

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TST-00-01	Inter-City Transportation, Public Attitudes and Perceived Social Impact Associated with Upgrading Inter-City Transportation in Eastern Ontario	Bajark, A.; Sharratt, K.		20	
LAB-80-05	Inventory Check 1979/80	Jones, G.	February 1980		
MISC	Inventory Manuals - Municipal Roads and Structures		July, 1978	5	
R.R.31	Investigation and Repair of Damage to Concrete Caused by Formwork and Falsework Fire	Smith, P.			
EM-50	Investigation of Performance of Granular Base Aggregates from the Dundee and Detroit Rivers Carbonate Rocks in Essex County	Z. Koniuszy; Z.L. Katona			

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LAB-79-03	Investigation of Stability and Curving of a Rail Transit Vehicle Testing and Instrumentation (also entered as TS-79-101)	D. Hsu; S. Skelton	June 1979	01	
TS-79-101	Investigation of Stability and Curving of a Rail Transit Vehicle: Nonlinear Curving Model	AppaRao, T.	February, 1979	13	
I.R.46	Joint Failures in Concrete Pavements of Ontario	Adamson, B.		04	
SB-76-01	La Collision humaine: Comment les blessures se provisent...et comment les ceintures les previnennent	Lonero, L; Stephen, K.	January 1976		
LAB-00-00	LABORATORY				



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R.R.150	Laboratory and Field Tests on Concrete Sealing Compounds	Chojnacki, B., Ryell, J.		File Copy Only	
EM-44	Laboratory Bearing Ratio and Permeability on MTC Base Course (Gran. A) Aggregates	A. Barsavary			
R.R.5	Laboratory Evaluation of Bituminous Additives for Use In Mulch or Cold-Mix Plan Applications	Nargolwalla, S.S.			
EM-4	Laboratory Evaluation of E.C. Levy Slag as Concrete Coarse Aggregat	P.I. Mukherjee			
R.R.25	Laboratory Evaluation of the Causes of Asphalt Pavement Defects	Field, F.		File	

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MISC	Land Use Trends and Transportation Demand Forecasting: An Empirical and Theoretical Investigation		February, 1981	6	
R.R.199	Lateral Buckling of Pony Truss Bridges	Bakht, B, Csagoly, P., Ma, A.		142	
MISC	Lateral Dynamics of a Rail Vehicle			3	
TS-TR-75-110	Lateral Dynamics of Light Rail Vehicles				
EM-60	Lean Concrete for Pavement Base	B. Chojnacki			

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R.R.40	Learning to Live with a Reactive Carbonate Rock	Smith, P.		03	
MISC	Lessons from the U.S.A. Petroleum Shortfall Experiences of the 1970's		July, 1981	3	
MISC	Light Loss Factors in Roadway Lighting		November, 1978	70	
MISC	Limitation of Disability Glare in Roadway Lighting		January, 1977	1	
M-83-01	Littering and Vandalism	Gorys, P.	April 1983	24	

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SRR-80-04	Live Load Testing of Soil-Steel Structures	Bakht, B.	1980	26	
SRR-80-01	Load Carrying Capacity of the Manitou Bridge	Bakht, B.	1980	07	
SRR-78-02	Load Testing and Evaluation o A Concrete Rigid Frame Bridge The CPP Overhead Bridge	Taylor, R.; Holowka, M	1978	01	
SRR-79-05	Load Testing and Evaluation of the TTC Subway Line Bridges, Yorkdale Road Overpass	Taylor, R.	1979		
R.R.1	Load Testing Program of Department of Highways				

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CVOS-77-04	Load Transfer Between A Tractor and Semi-Trailer	Strasberg, L.	1977		
R.R.184	Long-Term Performance of an Experimental Composite Pavement	Corkill, J., Ryell, J.		04	
MISC	Lower Vehicle Operating Speeds for Energy Conservation		February, 1980	2	

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IE-81-01	Luminaire Performance on Illuminated Overhead Signs	A. Maghsoudi; F.W. Jung	January 1981	13	
IE-82-01	Luminance of Road Surfaces for Fixed Highway Lighting Design and the Ontario Road Reflectance Matrix Photometer (ORRMP)	F.W. Jung; M.G. Basset; S. Dmitrevsky; P. Kremer	January 1982	35	
MISC	Magler Investigation Report, Volume 1: Summary of Findings		August, 1973	1	
LAB-82-01	Maintenance Manual for the QEW Surveillance and Control System	Kwok, W.	September 1982	28	
SB-79-03	Mandating the Use of Child Restraints: A Brief to the Review Task Force in Crash Protection for Child Passengers ---From the Ontario MTC May 1979	Humphries, R.H.; ADM; Smylo, T., Drivers & Vehicles			
	Manual for Bridge Deck Waterproofing	R.C. Evers		5	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
AE-81-07	Manual Method of Predicting Highway Traffic Noise and Sound Barrier Performance			3	105
TST-78-02	Marketing Conventional Transit: Methods and Criteria	Deslauriers, B.	September, 1978	21	
ME-00-00	MATERIALS AND ENVIRONMENT				
MSR-00-00	MATERIALS SKID RESISTANCE				
MISC	Measurement and Display of Vehicle Acceleration/Deceleration for Fuel Economy Tests		May, 1976	4	
TIL-75-5	Measurement and Display of Vehicle Acceleration/Deceleration (Fuel Economy Tests)	Fischer, A.; Brown, L.	November 7, 1975		

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
CVOS-77-03	Measurement of Longitudinal Tire Friction Properties for the MTC Articulated Test Vehicle	Billing, A.M.; Slavin, J.	1977		
MSP-80-05	Measurement of Polarized Potentials in Concrete Bridge Decks		1978	30	
I.R.29	Measurement of Road Rideability in Ontario	Chong, G.			
EM-41	Measurement of the Liquid Limit of Soils Using the Cone Penetration Method	A.J. Harks			
TIL-75-4	Measurement of Vehicle Interaxle Spacing Tape Switch	L., Brown	October 24, 1975		
SP-007-00	Measurement of Water Resource Parameters Using Remote Sensing Techniques	Bird and Hale Ltd.	May 1982		



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R.R.172	Measurements of Vibrations Caused by Construction Equipment and Blasting	Brown, L.		46	
MISC	Measures of Effectiveness for Transportation Regulation Programs		August, 1979	1	
MISC	Methods Manual		July, 1975	5	
I.R.40	Methods of Inspecting Damage in Dwellings	Brown, L.		02	
MISC	Metropolitan Toronto Area Transportation Energy Study - Report III - Summary 3		December, 1980	3	
MISC	Metro/Mississauga Cross-Commuting Study - Technical Background Papers: No. 1: Phase 1, Summary, No.2: Land Use, No. 3: Transportation Networks, No. 4: Demand Forecasts, No. 5: Demand/Capacity Analysis, No. 6: Sensitivity Testing, No. 7: Summary Report		July, 1981	1 ea.	

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ECN-81-01	Micro Impact Evaluation System: A New Methodology for Evaluation of Public Projects	Prof. Nahum Biger;Kuhn,Prof. Tillo;Levin, Sid;Slocum, R.	August 1981	29	
M-00-00	MISCELLANEOUS				
R.R.13	Misture Difficulties and Aggregate Drying Problems In Hot-Mix Construction				
R.R.195	Model Studies for Voided Post-Tensioned Concrete Slab Bridges	Green, R., Meades, P.		06	153
TS-79-106	Modelling Work Trip Distribution Patterns in Urban Ontario with Census Data	Dalton, P.		20	
TS-00-00	Models for Simulation Dynamics of Curve Entry of a Rail Transit Vehicle	AppaRao, T.	August, 1977 (reprint, 1982)	21	

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R.R.170	Moments in Simply Supported Skew Slabs, Part I: Curvature Meter Design and Evaluation	Green, R., Hodgins, D., Pepino, L.		13	
MISC	Monitoring Report: Kingston Transit Community Information and Marketing Program		August, 1976	5	
MISC	Motor Oil Recycling: Patterns of Motor Oil Use and Attitudes Towards a Re-Refined Product		February, 1976	3	
MISC	Motor Vehicle Accident Facts (1974-80)			1	
BM-81-01	Motorcycle Licencing Evaluation Status Report	Pierce, J.			Not Yet Published
TST-78-01	Moving Toward Affordable Transportation - Paper Presented at Canadian Transportation Research Forum	Deslauriers, B.; Smith, D.; Dalton, P.	June, 1978	14	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
AC-77-04	MTC Scale Model Facility for Transportation Noise Problems: Materials Choice and Validation for Scale Modelling		June, 1977	14	
MISC	MTC Agenda, Tender and General Conditions of Contract for the Tender of Computerized Traffic Control Systems for: (Special Provisions) The City of Brantford, The Regional Municipality of Durham and The Regional Municipality of Waterloo		October, 1979	3	
MISC	MTC Pilot Carpool Demonstration		November, 1977	1	
MISC	MTC Soil Classification Manual			1	
TVS-AP-108	MTC Vanpool	Dalton, P.	February, 1981	30	
EM-43	Multi Laboratory Concrete Compressive Strength Correlation Tests - Round 2	B. Chojnacki			

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MISC	Multiple Use of Right of Way		September, 1974	1	
MISC	Multi-Load Path Structures for Highway Bridges		January, 1979	25	
R.R.108	Multi-path System Traffic Assignment Algorithm	McLaughlin, W.A.		01	
R.R.189	Multi-path Traffic Assign: Development and Tests	Dalton, P., Harmelink, M.		52	
CSRD-79-02	Municipal Traffic Control Systems for Ontario Municipalities Phase I Report	Heti, G., Whitehead, D.	March, 1979	34	
MISC	Municipal Transportation Energy Seminars		May, 1981	1	

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MISC	NAPA Conference Papers Asphalt: State-of-the-Art		September, 1981	131	
I.R.73	Natural Regeneration and Direct Seeding Techniques to Stabilize Ontario's Roadsides	Andresen, John W.		67	
R.R.233	Natural Regeneration Techniques to Stabilize Ontario's Roadsides	Andresen, J.W.;Prepared for J.E. Gruspier			
R.R.168	Noise and Vibration Control for Transportation Systems	Harmelink, M.		08	
I.R.33	Noise and Vibration Control for Transportation Systems	Harmelink, M.		01	
NB-00-00	NOISE BARRIER				

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AC-77-09	Noise Barrier Attenuation Highway 401 South Side, Dixon Road to Kipling Avenue, Toronto		November, 1977	29	
AE-80-03	Noise Barrier Attenuation Hwy 401 North Side East of Avenue Road, Toronto			09	
AC-78-13	Noise Barrier Attenuation - Highway 417 North Side Melrose Avenue to Loretta Ave., Ottawa		December, 1978	30	106
AE-81-05	Noise Barrier Attenuation - Highway 417, North Side East of Island Park Drive, Ottawa			30	22
AE-81-09	Noise Barrier Attenuation, Hwy. 401, North Side East of Bayview Ave., North York			1	
AE-81-08	Noise Barrier Attenuation, Hwy. 401, North Side East of Jane St., North York			16	



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R.R.180	Noise Barrier Evaluation and Alternatives for Highway Noise Control	Hajek, J., Harmelink, M.		File Copy Only	
NB-80-01	Noise Barrier Social Impact Study: Highway 401 Between Don Valley Parkway and Victoria Park Ave.	Deslauriers, B.; Gorys, P. Info Results Ltd.	March 1980	30	
NB-00-00	Noise Barrier Test Site - QEW/Cawthra Road - Before Barrier Social Survey	McDonald, T.; Santa- Barbara, J.; Gorys, P., MTC; Pierce, F.A., MTC	March 1982	30	
LAB-82-02	Noise Exposure Assessment in MTC Snowplows	Blaney, C.T.	May 1982	07	
AC-78-02	Noise From Retextured and New Concrete and Asphalt Road Surfaces		January, 1978		
AC-77-08	Noise Level Measurements in the Vicinity of Puslinch Crown Resource Management Area During Gravel Excavation Operations		November, 1977	12	



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TIL-74-1	Noise Measurement from Renfrew Bypass	Brown, L.	1974	4	
TIL-76-3	Noise Measurements Highway 401 Through Oshawa District #7 - Port Hope	J. Desormeaux	January 25, 1976		
TIL-75-6	Noise Measurements on Two Sullair Compressors	Desormeaux, J.	November 19, 1975		
TIL-76-8	Noise Survey at Munn's United Church	D.J. Godard	June 10, 1976		
TIL-75-8	Noise Survey Q.E.W. Proposed Plan of Subdivision Part Lots 1,2,3, Con. 2 S.D.S. Oakville	Godard, D.J.	November 27, 1975		
TIL-75-10	Not assigned				

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TIL-75-2	Not Assigned				
TIL-75-7	Not assigned				
TS-79-104	Notes on Dynamic Considerations in Design of a Footbridge for the Ontario Science Centre				
R.R.30	Nuclear Methods for Determining Density and Moisture Content	Csathy, T.I.			
R.R.27	Observations on Protective Surface Coatings for Exposed or Asphaltic Surface Concrete	Smith, P.		06	
OC-00-00	OFFENCES & COLLISIONS				

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EM-54	One Point Proctor Test Determination of Moisture Density Relationships Using a Family of Proctor Curves	A.K. Barsavary; P. Korgemagi			
MISC	Ontario Department of Transport			24	
BM-70-01	Ontario Department of Transport - Technical Bulletin 70-01. An Investigation of Rider Bicycle & Environmental Variables in Urban Bicycle Collision	Kramer, M.	October, 1970	84	
DI-81-02	Ontario Drivers' Knowledge of and Attitude Toward the Demerit Point System	Santa Barbara; McDonald; Clifford,	December 1981	02	
MISC	Ontario Drivers' Knowledge of and Attitudes Toward the Demerit Point System		December, 1981	28	
MISC	Ontario Energy Review		March, 1981	9	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
I.R.65	Ontario Expressway Seat Belt Study	Phang, W.		33	
SB-78-01	Ontario Expressway Seat Belt Study	Pang, H.C.	January 1978		
PAV-81-01	Ontario Flexible Pavement Distress Assessment for use in Pavement Management			48	
R.R.197	Ontario Highway Noise Prediction Method	Hajek, J.		141	
ECN-81-02	Ontario Motor Vehicle Accidents - an Economic Appraisal	Slocum, R.	1981	37	
TS-80-109	Ontario Share-a-Ride Program to May 1980	Dalton, P.; Harmelink, M.; Smith, D.	June, 1980	1	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Ontario Truck Weight Scales Cost Performance Evaluation and Electronic Scales Evaluation		August, 1978	1	
ME-79-01	Ontario's Experience with Concrete Overlays for Bridge Decks	Manning, D.G.; Jones, M.T.	April, 1982	50	
MSR-80-001	Ontario's Wet Pavement/Accident Reduction Program		December, 1980	30	
TRE-80-02	On-Board Vehicle Weighing Devices	A.C. Agarwal	December, 1980	20	
I.R.61	OPAC Design System	Kher, R.; Phang, W.		32	
PAV-00-00	OPAC Guidelines		1974	23	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Open Friction Course Mix--Imperial Measure			1	
TRE-81-08	Operational Efficiencies of Mobile Inspection System Study	R. Slocum	October, 1981	30	
TRE-81-07	Operational Efficiencies of Truck Inspection Stations	Proctor Redfern; R. Slocum	December, 1981	7	
MISC	Operational Manual for the Benkelman Beam		February, 1972	1	
TS-TR-75-108	Operational Strategies for Fixed-Guideway Transit: A State-of-the-Art Report				
MISC	Opportunities for Reduction in Petroleum Products Usage in MTC Operations		July, 1978	3	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
R.R.208	Optimal Sample Size of Roadside-Interview Origin Destination Surveys	Hajek, J.		17	60
MISC	Optimum Weight of Highway Noise Barriers		December, 1978	50	
NB-80-02	Overview of MTC Noise Barrier Social Survey Research	Adams, M.; Enviromics Res. Group; Deslauriers, MTC; Gorys, P., MTC	July 1980	19	
MISC	Papers for the RTAC Conference		September, 1978		
R.R.111	Parameters of Recreational Travel in Ontario: A Progress Report	Wolfe, R.		02	
MISC	Parking Structures: Interim Guidelines - Investigation, Repairs, Design and Construction		August, 1981	28	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
I.R.56	Partial Replacement of Portland Cement with Pelletized Slag	Chojnacki, B.		20	88
TS-TR-76-124	Passenger Comfort in Urban Transit Vehicles: A State-of-the-Art Report				
PAV-00-00	Pavement Condition and Performance Observations, Brampton Road Test			29	74
PAV-00-00	Pavement Condition Ratings and Rehabilitation Needs		1979	30	1
PAV-00-00	Pavement Drainage in a Seasonal Frost Area, Ontario		November 1981	39	
R.R.174	Pavement Investment Decision Making and Management System	Phang, H., Slocum, R.		04	



REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
SP-001-00	Pavement Maintenance Guidelines: Distresses, Maintenance Alternatives and Performance Standards	MTG		45	540
MISC	Pavement Management in Ontario		May, 1980	2	
PAV-00-00	Pavement Management in Ontario, 1980		May 1980		
PAV-83-05	Pavement Management Systems - Guidelines for Municipalities	Phang,W.A.,Lefevre,R. N.,James,H.H.,Matthew s,J.D.,Nicholls,W., Pattison,H.,Sheflin,M .J.	August, 1983	50	
PAV-00-00	PAVEMENT RESEARCH REPORTS				
R.R.152	Pavement Wear Due to Studded Tires and the Consequences in Ontario	Schonfeld, R., Smith, P.		1	92

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
PAV-00-00	Pavement-Structural Design Guidelines		1974	12	
PAV-00-00	Paving in Cold Areas - Mini-Workshop Proceedings		October 1982	10	
PAV-00-00	PCA Road Meter Measuring Road Roughness at 50 Mph		1972		
CVOS-80-03	Performance Evaluation of Several Jackknife Control Devices	Snelgrove F.B.; A.M. Billing; Choi, C.	September 1980	26	
AC-80-01	Performance of Parallel Highway Noise Barriers, Yonge St. to Bayview Avenue, Toronto		March, 1980		
EM-7	Performance of Subdrains and Subdrain Backfill Materials	B. MacMaster			

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
EM-5	Performance of the Rapid Analysis Machine in Determining Cement Content of Plastic Concrete - Part 2 - Field Evaluation	P.K. Mukherjee			
TIL-75-11	Perley Bridge Dynamic Data Acquisition	J.R. Gandier	December 10, 1975	3	
LAB-00-00	Permanent Counting Stations (PCS): Microcomputer Programming Manual	Skelton, S.	September 1982	20	
CSRD-83-02	Permanent Counting Stations - Master Software	Wiercienski, W.J.	January, 1983	25	
R.R.139	Permeability Determination for Predicting Rates of Consolidation	Azzourz, M., Raymond, G.		56	
TRE-80-05	Permissibility of Mobile Cranes by the Proposed Overweight Permit Guidelines	A.C. Agarwal; E. Lane	September, 1980	25	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
PAV-00-00	Permissible Air Pressures-Air Cushion Assisted Vehicles, 1975			01	
TST-00-00	Peterborough Trans-Cab Demonstration Project Monitoring Report		June, 1975	2	
I.R.63	Photometric Measurements & Computer Simulation of the Lighting on the Toronto Bypass of Highway 401	Blamey, C.		37	
R.R.188	Photo-Interpretation of Pavement Skid Resistance in Practice	Schonfeld, R.		76	184
EM-48	Pile Load and Extraction Tests	M. Devata; K.G. Selby			
EM-20	Pile Load Capacity Evaluation, Highway #404 Structures	M. Devata, T. Kazmierowski			

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Pilot Study in Support of Future Emergency Braking Experiments		May, 1980	32	
TIL-76-2	Plotting Computer Program for Dynamic Bridge Test Data	J.R. Gandier	January 1976		
TIL-76-1	Plotting Computer Program for Dynamic Bridge Test Data to IBM System	J.R. Gandier	January 1976		
TS-80-102	Point Implied Areas of Railway Wheels (paper Noise Expo-80)				
PDO-00-00	POLICY DEVELOPMENT OFFICE				
R.R.24	Pore Size and Field Frost Performance of Soils				

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
EM-51	Precision of the Standard Concrete Core Compressive Strength Test	B. Chojnacki			
PAV-77-01	Predicting Performance of Asphalt Overlays in Program Rehabilitation		October 1977	06	43
R.R.115	Prediction of Scour at Bridges	Brennan, L., Hebrich, H.		File Copy Only	
OC-78-03	Preliminary Data Analysis and Literature Search of Motor Vehicle Collision on Curved Roads	Goodfellow, G.	March 1978	02	
MISC	Preliminary Evaluation of the Probationary Driver Program in Ontario - A Study of the First Year Driving Records of the New Drivers		October, 1983	40	
TS-AP-73-104	Preliminary Report on Station Configurations and Dimensions for the GO Urban Transit Vehicle System				

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Preliminary Report on the Simulation of Express Service Operation for Intermediate Capacity Transit System		August, 1973	2	
TRE-79-01	Preliminary Report - Vehicle Weighing	A.C. Agarwal		20	
MISC	Preventing Thermal Reflection Cracking in Asphalt Overlays: A Road Test and Economic Implications		October, 1977	50	
MISC	Preventing Thermal Reflection Cracking, Addendum 1, Ontario Field Surveys		November, 1978	21	
PAV-80-04	Preventive Pavement Maintenance Concepts		1981	49	
R.R.37	Principles of Geophysical Resistivity Technique	Rutka, A., Szenasi, A., Wrong, G.		23	



REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
NB-76-01	Privacy Fence: A Survey of Public Reaction to the Privacy Fence Located Along Highway 401 Within Metro Toronto Between Victoria Park and Warden Ave.	Andrew, C.; Sharratt, K.	June 1976	30	
R.R.144	Problems of Skew in Concrete Bridge Designs	Kennedy, J., Tanberg, K.		File Copy Only	
MISC	Problems, Issues and Concerns in Metro Toronto Transportation		November, 1972	8	
TST-72-04	Problems, Issues and Concerns in Metro Toronto Transportation, Ontario Ministry of Transportation and Communications	Berzina, E.; Wilson, W.T.	November, 1972		
TIL-75-12	Procedures for the Transfer of Articulated Vehicle Test Data to the MTC/IBM Computer System	J.R. Gandier	December 16, 1975		
AC-78-16	Proceedings of Noise Barrier Seminar			10	



REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
EM-58	Process Control Pilot Studies on Granular Gradation by Three Commercial Producers	A.K. Barsavary; H.D. Reed; J. Dainton			
CVOS-78-11	Program ABCCMERG Combining Two Files of Reduced Data for a Single Run into One	Choi, C.	August 1978		
CVOS-78-03	Program AVCORR: A Procedure for Comparing Digital Line Services	Billing, A.M.	March 10, 1977		
CVOS-TR-80-02	Program AVLIST: Giving a Simple Listing of N Files of Data	Moleski, K.; Snelgrove, F.B.	April 1979		
R.R.9	Proper Practices in Culvert Installation	Soderman, L.G.			
R.R.186	Proposed Ontario Bridge Design Load	Dorton, R., Csagoly, P.		86	144

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
R.R.212	Propulsion System Performance Requirements for Guided Urban Transit Systems	Dalton, P., Dawson, W.		168	
EM-68	Provincial Highways: Comparison of Methods for the Determination of Bitumen Content in Bituminous Concrete Mixtures	J.I. McDougall			
RM-79-01	Public Attitudes Towards Ramp Metering, The Q.E.W. Freeway, Surveillance and Control Project	Deslauriers, B.; Sharratt, K.	March 1979	39	
DL-00-01	Public Reaction to Automated Driver Testing Apparatus: Preliminary Study	Lonero, L.; Brezina, E.			
MISC	Publications Inventory				
TST-73-03	Published Reactions to the Concept of an Intermediate Capacity Transit System in Ontario	Gold, N.	June, 1973		

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RM-78-01	QEW Freeway Surveillance & Control System Demonstration Project	Case, E.R.; Williams, K.M.	January 1978	03	
MISC	Quality Assurance in MTC Bridge Construction (Part II)		May, 1975	3	
R.R.49	Quality Control in Construction				
I.R.9	Questionnaire Survey of Winter Maintenance Management of Selected Provinces & States	Roy Jorgensen Associates Ltd.		3	
TS-TR-76-109	Rail Vehicle Bogie Design Project Unsprung Moss Investigation	Charles, R.J.	March, 1976 (reprint, 1980)	21	
MISC	Railway Noise: A State-of-the-Art Report		October, 1977	14	

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RM-00-00	RAMP METERING				
MSP-80-08	Rebar Corrosion in Canada	Fromm, H.	1979		
LAB-79-04	Recommended Vehicle Detector Loop Installation Procedures	Hsu, D.	August 1979		
S-76-01	Reduce Speed Limits in Ontario - Their Effects on Motor Vehicle Operating Speeds and Energy Consumption	Gardner, N.; Young, P.B.; Cunliffe, A.P.	September 1976		
S-77-01	Reduce Speed Limits in Ontario -Their Effects on Motor Vehicle Operating Speeds	Gardner, N.	August 1977		
IE-82-02	Reflectorized Sheeting Material for Overhead Signs: Performance and State of the Art Review	A. Titishov; F.W. Jung	December 1982	130	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
TDF-81-03	Regional Socio-Economic Data Review - 03A Central Region - 03B Southwestern Region - 03C Eastern Region - 03D Northeastern Region - 03E Northwestern Region	S. Suokas; B. Ryan	September, 1981	1	
PAV-00-00	Rehabilitation of Thermally Cracked Pavements		1975	01	
AC-79-08	Relative Influence of Pavement Texture and Tire Type on Pavement/Tire Noise			30	81
R.R.231	Reliability Analysis of Trackbound Transit Systems	Singh, C.		123	
MISC	Reliability Data Analysis for Transit Vehicles		February, 1977	4	
R.R.217	Reliability Data and Analysis for Transit Vehicles	Kankam, M., Singh, C.		12	110

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
SP-008-00	Remote Sensing Techniques for the Delineation of Buried Granular Deposits	Bird and Hale Ltd.	May 1982		
SL-78-01	Replacing Incandescent Lamps with Energy Saving Lamp/Luminaire Systems in Residential Street Lighting - A Case Study	Blamey, C., RTAC Conference	September 1978	08	
MISC	Report of the Interdepartmental Committee on Air Rights and the Multiple Use and Joint Development of Transportation Corridors		March, 1969	1	
MISC	Report of the Technical Compatability Criteria for Service Facilities in Multiple-Use Right of Way		November, 1978	1	
BM-74-01	Report on Motor-Driven Cycles — Primary Report	Blanchette, L.M., Haworth, J.E.	June 1974		(Contact Systems Research 7191)
SRR-78-01	Report on Movement of Bridge No. 23, Site No. 37-817, Hwy. 40 and 427 Intersection	Holowka, M.; Csagoly, P.	1978	01	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Report on the Simulation of Operational Strategies for Fixed Guideway Transit		August, 1976	60	
OC-77-02	Report to the Select Committee on Traffic Safety Drivers First Licensed in Ontario - October 1969 - October 1975	J. Pierce	1977		
WE-73-01	Report #2 - A Solution to Transportation Congestion			9	
WE-73-01	Report #3 - Proposed Work Schedules and Peak Hours			2	
MISC	Request for Proposals: The Development of New Storage Media for Compressed Natural Gas as a Fuel in Automotive Vehicles		December 1975	1	
ME-81-03	Requirements for Deck Joints in Highway Structures	Manning, D.G.; Holt, F.B.	September, 1982	50	



REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
MISC	Requirements for Deck Joints in Highway Structures		September, 1982	50	
MISC	Research and Development Division Position and Prospects: Transportation Regulation Program; Provincial Roads Program; Provincial Public Transportation Program; Municipal Transportation Program		November, 1978	FILE COPY ONLY	
R.R.114	Research in Skid Resistance	Armstrong, M., Burnett, W., Csathy, T.		01	
R.R.	RESEARCH REPORTS				
I.R.11	Responsibility For Quality in Highway Construction	Smith, P.		321	
MISC	Responsibility for Quality in Highway Construction		February, 1967	53	



REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
SB-79-06	Restraint System Utilization and its Consequences Among Victims of Motor Vehicle Collision in Southern Ontario - Counties of Frontenac and Lennox-Addington, Ontario	Dagnone, L.E.; Siu, T.O.	December 1979	32	
DRS-81-02	Results Obtained from Public Clinics Held to Demonstrate Fuel Economy Maintenance	Blackman, A.K.	December, 1981	40	
AF-81-01	Review of Electric Vehicle Developments (TVS-AP-81-105)	J. Duncan	February, 1981	1	
TVS-AP-105	Review of Electric Vehicle Developments, 1980 (AF-81-01)	Duncan, J.	February, 1981	2	
TVS-AP-82-113	Review of Electrical Vehicle Developments, 1981	Duncan, J.	July, 1982	27	
DE-80-01	Revision and Evaluation of Driver Education in Ontario Phase 1: Development of an Education Plan	Bragg,B.; Clifford,L.; Deslauriers,B.		05	

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DE-80-02	Revision and Evaluation of Driver Education in Ontario Phase 2: Preparation of a Curriculum Development Plan	Robertson et al; Clifford,L.; Deslauriers, B.		04	
DE-80-03	Revision and Evaluation of Driver Education in Ontario: Summary of the First and Second Phases of the Study	Clifford,L.; Deslauriers,B.		79	
DI-80-01	Reward and Punishment in Driver Control	Murdock,P.A.;Wilde, G	January 1980	29	
TST-74-01	Rider Behaviour in Public Transit: A Preliminary Study of the Bay Street Station in Toronto	Adomson, K.; Norton Ltd.; Brakow, B. MTC			
MISC	Right-of-Way Rehabilitation in Northern Ontario Using Native Sledges; Phase 1 (Preprint)		November, 1982	25	
MISC	Rigid Pavement Condition Evaluation Form		May, 1977	45	

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R.R.228	Road and Bridge Deck Drainage Systems	Marsalek, J.		50	200
RE-00-00	ROADSIDE ENVIRONMENT				
AC-78-12	Roadside Noise from Carpet Seal, HLI Asphalt and Worn Concrete Pavements in Campbellville, Ontario		December, 1978	30	36
SB-79-04	Roadside Seat Belt Attitude Survey, May 1977	Lalonde, K.	September 1979	20	
SB-78-06	Roadside Seat Belt Attitude Survey, Spring 1978	Lalonde, K.G., Research Info. Services	November 1978	20	
.R.R.210	Roadside Vegetation Management in Ontario	Andresen, J. Lewis- Watts, P.		05	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
PAV-00-00	Roadway Drainage in Seasonal Frost Areas		1975	3	98
R.R.227	Rockfill in the Foundation Design of Highway Structures	Lo, K.Y.		138	
CVOS-79-01	Roll Stability Analysis of Tractor Trailers Using Eigenvalues	Choi, C.	April 1979	01	
I.R.62	Rotational Stability of Asymmetrical Concrete Barriers	Jung, F.		133	
MSP-81-02	Rubber Asphalt Test Roads - Progress Report 1981	Fromm, H.	April 1981	18	
R.R.164	Safety Aspects of Intersection Control Devices	McLaughlin, W., Roer, P.		04	

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SB-76-08	Safety Belt Use Legislation Ontario's Experience The First Six Months	Cunliffe, A.P.	October 1976		
SB-77-01	Safety Belt Use -- A Mandate for Survival			30	
SB-80-02	Safety Benefits of the Seat Belt Legislation and Speed Limit Reduction in Ontario	Pierce, J.	February 1980, July 1980	20, 30	
EM-34	Salt Scaling Resistance of Concrete Containing Hollow Plastic Microspheres (Laboratory Investigation)	B. Chojnacki			
TST-75-02	Scarborough Town Centre Light Rail Transit Survey of Community Attitudes - Report # 3 Metro Toronto Planning Department Transportation, Human & Social Factors Research, Systems Research and Development Branch, MTC	Sharratt, K.	December, 1975		
MISC	School Bus Safety - State-of-the-Art Report		December, 1975	1	

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EM-36	Search for Skid Resistant Aggregates in Eastern Ontario (Interim Report)	C.A. Rogers		2	
SB-00-00	SEAT BELT				
SB-80-01	Seat Belt Education Programme for Elementary School Children in Ontario: Citizen Seat Belt	Stephen, K.	January 1980	20	
SB-81-01	Seat Belt Related Injuries				
SB-81-01	Seat Belt Related Injuries An Investigation of Automobile Collisions to Determine the Types of Injuries that May be Caused by Wearing Seat Belts		September 1981	30	
SB-00-00	Seat Belt Usage and Driver Attitude Survey, May 1981	Byloc, J;Gorys, P.;Pang, H.C.		1982	30

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
SB-00-00	Seat Belt Usage and Driver Attitude Survey, May 1981: A Summary Report	Bylok, J.; Gorys, P.; Pang, H.C.	1982	15	
SB-76-05	Seat Belt Use in Ontario. A Preliminary Report	Pierce, J.; Pang, H.C.	July 1976		
TIL-76-13	Second Report of Barrack Street Docks in Kingston	D.J. Godard	April 2, 1976		
R.R.20	Settlement at Bridge Approaches	Rutka, A.		02	
R.R.211	Settlements Resulting from Secondary Compression The Gloucester Test Fill	Bozozuk, M., Law, K., Lo, K.Y.		117	
I.R.31	Seven-Day Ring Tensile Strength of Cement Mortars	Weaver, G.		07	



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EM-19	Shale Fill Construction Practices	B. MacMaster			
M-82-01	Shallow Caisson Foundations for Light Poles, Sign Posts and Noise Barrier Columns	Jung, F.W.	December, 1981 (reprinted March, 1983)		
MISC	Shared-Ride Taxi Opportunities Study		August, 1977	3	
TS-AP-77-108	Short Term Effects of Urban Transit Fare Increases in Ontario Cities				
SB-77-03	Shoulder Belt Use Related to Sex, Age, Moving Speed and Weather Conditions, Studies of Safety in Transport, Queen's University, Kingston	Wilde, G.S.	March 1977		
R.R.15	Silicones for the Protection of Concrete Lab Tests	Hel,D.J.T.			



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R.R.149	Simplified Design Live Load Patterns for Use in Controlling Vehicle Weights on Bridges	Jung, F. J.		09	
AC-80-02	Simplified Free Field Highway Traffic Noise Predictions		April, 1980	1	
AE-82-05	Simplified FWHA Noise Prediction Method			20	
CVOS-78-04	Simulation of Jackknife Control Devices	Billing, A.M.	May 1978	10	
SRR-82-01	Simulation of Timber Bridges for Statistical Analysis	Mahsoudi, A.; Balht, B.	July 1982	01	
I.R.69	Single Vehicle Motorcycle Accidents	Pang, H.		51	

REPORT NUMBER	TITLE OF REPORT	AUTHORS	DATE	COPIES	RESERVOIR
BM-78-01	Single Vehicle Motorcycle Accidents-A Comparison of Characteristics with Single Vehicle Automobile Accidents	Pang, H.C.	July, 1978	5	(IR 69)
R.R.155	Skid Numbers from Stereo-Photographs	Schonfeld, R.		20	53
I.R.67	Skid Resistance of Bituminous Pavement Test Sections Highway 401 Toronto Bypass	Ryell, J., Corkill, J., Musgrove, G.		34	
MISC	Skid Resistance Photo Interpreters' Manual		November, 1977	3	
I.R.24	Skid Resistance Survey in Ontario, 1967	Schonfeld, R.		07	
R.R.50	Skid Testing on King's Highways in Northern Ontario				

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R.R.46	Skidding and Skid Resistance	Csathy, T.I.		20	28
EM-29	Slag Cement as a Partial Replacement of Type 10 Portland Cement in Concrete	E.R. Saint			
R.R.45	Snow and Ice Control on the Provincial Highway System of Ontario	Brohn, D.r., Cooke, W.G., Leslie, A.			
TST-73-02	Social Analysis of the Spadina Expressway Controversies, OMTC	Churchill, G.	February, 1973		
SF-72-02	Social Consequences of STOL in Norway, A Pilot Study, Human Social and Environmental Factors Research Section		February 1972		
SF-73-01	Social Factor Research for the Krauss-Maffei System; The Present Situation and Future Prospects, Human, Social and Environmental Factors Research Section, OMTC		August 1973		

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SF-00-00	SOCIAL FACTORS				
TST-72-01	Social Factors in Toronto Transportation Planning, Social Factors Research Group, OMTG	Sharratt, K.	February, 1972		
SF-71-01	Social Factors Project - Interim Report	Wilson, W.T.	May 4, 1971		
R.R.10	Soil Stabilizaion Stabilized Should Test Sections, Huntsville District	Leslie, A.			
R.R.11	Soil Stabilizaion Stabilized Shoulder Test Sections, Sudbury District	Leslie, A.			
R.R.226	Soil-Cement and Soil-Lime Stabilization of Weathered Surface Clays in Southwestern Ontario	DiNardo, L., Quigley, R.M.		140	

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MSP-82-05	Solar Power for Cathodic Protection of Bridge Decks	Pianca, F.	November 1982	15	
R.R.39	Some Aspects of Nuclear Soil Testing	Csathy, T.I.			
R.R.34	Some Case Records of Embankment Failures	Lo, K.Y., Stermac, A.G.		02	
R.R.47	Some Pipe Loading Tests in Stiff Clay	Lo, K.Y., Stermac, A.G.			
SF-72-03	Some Preliminary Standards for Evaluating the Quality of Social Information Generated by Various Citizen Involvement Techniques, Social Factors Group, Dept. of Transportation and Communications	Sharratt, K.	March 1972		
I.R.12	Some Remarks of Sample Rate	Hamelink, M.		3	

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AE-80-04	Sound Barriers, Noise Attenuation, Height and Sound Transmission Loss			25	
AE-81-04	Sound Environment Between Parallel Barriers and in Cuts			30	51
TIL-76-12	Sound Level Test, Wolfe Islander III, Amherst Islander and Glenora Ferries	D.J. Godard	April 2, 1976		
TRE-80-06	Special Permit Vehicle Survey	A.C. Agarwal; E. Lane	May/June, 1980	5	
SP-00-00	SPECIAL REPORTS				
S-76-02	Speed Reduction for Safety and Economy, The Situation in Ontario, Presented to the Annual Conference of the Western Canada Traffic Assoc.	Cunliffe, A.P.	October 1976		

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S-00-00	SPEEDS				
S-74-01	Speeds and Accidents - A Preliminary Report	Safety Research	August 1974	67	
CSRD-83-01	SSTOP User's Guide and Offline Signal System Optimization Program		February, 1983	1	
R.R.52	Stability of Slopes in Anisotropic Soils	Lo, K.Y.			
I.R.60	Stability Testing of International Harvester Co. Travellall Type Vehicles - Cayuga, Ontario	Brown, L.		39	
I.R.45	Stabilized or Treated-Bases in Canada	Wrong, G.		23	

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WE-74-01	Staggered Hours Demonstration Evaluation - Report #1	Ish, D.M.; Greenberg, A.M., MTC; Gupta, V.K.; Elliss, J.D., Civil Service Commission	February, 1974	15	
WE-00-01	Staggered Hours Demonstration Information: Go-A-New-Way	MTC		30	
WE-73-01	Staggered Hours Demonstration Preliminary Results of the Travel Survey of Ontario Government Employees - Report #1 A) MCCR, B) MOE, C) MGS, D) MOL, E) OGC, F) MOR, G) MTC H) Min. of Treasury, Economics, and Intergovernmental Affairs	Mills, F.A.; Peterson, D., R & D; Hennun, C.A.; Shallal, A., Planning Division	June, 1973	4 2 2 3 3 2 4 4	
R.R.198	Staggered Hours Final Evaluation, Queen's Park Demonstration	Greenberg, A., Wright, D.		59	
WE-75-01	Staggered Hours, Final Evaluation - Queens Park Demonstration	Greenberg, A.M.; Wright, D.M.	May, 1975		
MISC	Standards Method for Classifying Pavement Surface Textures		1979	1	



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TIL-76-5	Static Load and Deflection Tests on Steel Wheels	N. Perfect	March 1976		
EM-53	Statistical Evaluation of Gradation Test Results for Base and Sub-base Aggregates; 1980 Construction Season	H.D. Reed; J.D. Dainton			
EM-61	Statistical Interpretation of the Gradation Acceptance Criteria of Granular "A" Aggregates	A.K. Barsavary			
EM-27	Statistical Study of the Gradation of MTC Base Course Aggregates	A.K. Barsavary; P. Korgemagi			
SB-77-04	Status of Seat Belt Legislation in Ontario -- An Evaluation	Pierce, J.; Bylok, J.; Lalonde, K.; Pang, H.C.	May 1977		
MISC	Stochastic Variations of Design Parameters and Lack of Fit of the Performance Model		January, 1975	2	

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SL-00-00	STREET LIGHTING				
EM-49	Strength Producing Properties of Portland Cement Used in Ontario	B. Chojnacki			
I.R.13	Stripping in Asphaltic Concrete Mixes: Observation & Test Procedures	Field, F., Phang, W.		9	
SSR-00-00	STRUCTURAL RESEARCH REPORT				
TIL-76-6	Structure Analysis of Ride Comfort Data collected by TTC	J. Tiessienga	March 1976		
MISC	Studded Tire Fact Sheets		October, 1971	40	

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R.R.165	Studies of Studded-Tire Damage Performance in Ontario Winter 1969-1970	Schonfeld, R., Smith, P.		46	
OC-77-01	Study of Motor Vehicle Accident Occupant Facilities in Ontario in 1976 - Report of Data Acquisition	J.A. Pierce	April 1977		
OC-72-01	Study of the Effect of the Used Car Inspection Program on the Collision Rate at Passenger Cars and Dual Purpose Vehicles	Pierce, J.; Binsell, R.; Thomas, A.; Brezina, E.	September 1972		
R.R.48	Study of the Mixing Efficiency and Performance of Ready Mixed Concrete Trucks	Smith,P.		14	
R.R.32	Study of the Skid Resistance of Pavement Surfaces	Csathy,T.I.		File Copy	
HP-82-01	Subjective Assessment of the Impact of Hearing Protectors on MTC Highway Equipment Operators	D. Duncan	August 1982	28	

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EM-52	Sulphate Resistance of Blended (Slag) Cement	B. Chojnacki			
MISC	Sulphur Asphalt Concrete Pavements: Ontario Test Roads		1981	1	
MSP-80-03	Sulphur-Asphaltic Concrete-Three Ontario Test Roads		1979	12	
DD-79-02	Summary Report, Phase I Research for the Development of Educational material on Young Drinking/Driving A Report submitted to the Ontario Ministry of Transportation and Communications, Research and Development Division	Marcus, A.	March 1979	09	
MISC	Surface Texture Classification: A Guide to Pavement Skid Resistance		1980	2	
R.R.209	Surveillance of the Environmental Effects of a Highway Facility by Remote Sensing: A State-of-The-Art	Bird & Hale Ltd.		65	82

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MISC	Survey of Staff Concerns in Finance and Administration		June, 1982	25	
TVS-CV-81-112	Surveys of the Commercial Vehicle and Truck Tires Used in the Toronto Area	Wilhelm, T.; Billing, A.M.	December 1981	19	
PAV-00-00	Task Force Report II on Hot Mix Recycling of Asphalt Pavement			30	55
MISC	Task Force Report on Durable Bridge Decks		1976/77	1	
PAV-00-00	Task Force Report on Hot Mix Recycling of Asphalt Pavements		1979		
MISC	Task Force Report on the Rehabilitation of Concrete Pavements: Highway 401 and Governor's Road, Southwestern Region and Highway 401, Eastern Region		April, 1978	1	

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TDF-82-04	Techniques for Estimating Highway Truck Volumes	Hutchinson, B.G.; Wilkinson, K.	March, 1982	12	
CVOS-78-06	Techniques for Fuel Economy Evaluation of Truck Lines	Choi, C.	April 1978		
TC-00-00	TELECONFERENCING/COMMUNICATIONS				
TEMP-00-00	TEMP Quarterly Reports First Status Report April 1, 1981 to June Third Quarter Status Report February 1982	Barbara Thompson	February 1981	1,9	
DRS-82-01	TEMP - A Technical Background Document for Automotive Fuel Economy		January, 1982	100	
TIL-75-13	Temperature Characteristics of S/G's Installations Used on Structural Steel at Conestogo Bridge Test Structure	J.W. Wagner	December 1975		

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I.R.35	Temperature-Susceptibility Control in Asphalt Cement Specifications	Fromm, H.; Phang, W.		03	
TST-72-02	Ten Participatory Approaches for Transportation Planning, Ontario Department of Transportation and Communications	Sharratt, K.; Wilson, W.; Berzina, E.	March, 1972		
TVS-CV-82-109	Test and Demonstration of Double and Triple Trailer Combinations	Mercer, W.; Billing, J.; Wolowicz, M.E.	August, 1982	200	
SRR-79-04	Testing and Evaluation fo the Dundas Street Bridge	Holowka, M.	1979		
TEMP-00-00	Testing and Evaluation of Automotive Propane Conversion Equipment: 1	Segal, L.	February, 1982	See TEMP for copies	
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R.R.222	Testing of a Composite Prestressed Concrete AASHTO Girder Bridge	Csagoly, P., Holowka, M.		98	316
R.R.221	Testing of a Trapezoidal Box Girder Bridge	Holowka, M.		28	270
R.R.207	Testing of Perley Bridge	Csagoly, P., Bakht, B.		45	100
CVOS-79-02	Tests of Self-Steering trailer Axles	A.M. Billing	May 1979	08	
DD-79-01	The 1979 Ontario Roadside BAC Survey Summary Report Interministerial Committee on Drinking-Driving		February 1980	09	
R.R.230	The 1979 Survey of Commercial Vehicle Weights Ontario	Csagoly, P., Knobel, Z.		75	109



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R.R.107	The Benefication of Aggregates by Jigging	Ingham, K.W.			50
TIL-76-11	The Brake-Meter. Design and Evaluation of an Instrument for Testing Brakes on Commercial Vehicles	L. Brown; A. Fischer	March 1976		Not Issued
EM-17	The Chloride Ion Content of Concrete Aggregates from Southern Ontario	C.A. Rogers; G. Woda		1	
R.R.113	The Compaction of Asphaltic Concrete and the Road Part II	Fromm, H.J., Phang, W.A.		02	
R.R.43	The Compaction of Asphaltic Concrete on the Road	Fromm, H.J.		79	
I.R.36	The Condition of Concrete Pavements in Ontario - Interim Report	Tiede, H.; Sparling, C.; Smith, P.; Phang, W.		FILE COPY ONLY	

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MISC	The Conestoga River Bridge Design and Testing		1976	60	
R.R.141	The Constant Dry Weight Method - A No-Weighing Field Compaction Test	Schonfeld, R.		16	
R.R.51	The Constant Dry-Weight Compaction Test	Schonfeld, R.		02	
R.R.135	The Corrosion of Auto Body Steel and the Effects of Inhibited De-icing Salts	Fromm, H.		71	
SB-75-01	The Design and Implementation of a Seat Belt Education Program in Ontario	Cunliffe, A.P.; DeAngelis, F.; Foley, C.; Lonero, L.P.; Pierce, J.A.; Siegal, C.; Smutylo, T.; Stephen, K.M.	September 1975		
TST-72-03	The Design of a Citizen Participation Program for the Metro Toronto Transportation, Review Study OMTC	Wilson, W.T.; Sharratt, K.; Berzina, E.	April, 1972		

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EM-33	The Development of an Interlaboratory Testing Program for Construction Aggregates	Lise Manchester		1	
SAR-81-04	The Development of the Ridesharing Program in Ontario - Alternative Pilot Demonstration Outreach		September, 1981	See TEMP for copies	
TVS-AP-81-113	The Development of the Ridesharing Program in Ontario - Alternative Pilot Demonstration Outreach (also SAR-81-04)		September, 1981	30( see TEMP-SAR)	
R.R.106	The Distribution, Character and Basic Properties of Charts in Southwestern Ontario	Ingham, K.W., Konieuszy, D.		04	
DD-73-01	The Drinking and Driving Campaign December 10-31 1973 - Safety Research & Development Section			33	
SB-76-09	The Effect of Mandatory Restraint System Legislation on Motor Vehicle Collision Victims in the Counties of Frontenac, Lennox-Addington: A Preliminary Report	Dagnone, L.E.	November 1976		

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SB-70-01	The Effectiveness of a Film Seminar Session in Inducing Increased Use of Seat Belt	Wilson, W.T.	March 1970		
I.R.44	The Effectiveness of Sand Asphalt Binder Course in Reducing Stripping in Bituminous Pavements	Lynch, D.; Blum, W.		20	
I.R.43	The Effects of De-Icing Chemicals on the Environment	Fromm, H.		35	

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S-78-01	The Effects of Reduced Speed Limits on Motor Vehicle Operating Speeds in Ontario	Gardner, N.	January 1978		
I.R.39	The Effects of Seasonal Strength Variation on the Performance of Selected Base Materials	Phang, W.		09	
CSRD-82-01	The Feasibility of Fibre Optic Communications for the Highway 401 Traffic Management System	Snidler, A.T.	March, 1982	32	
EM-23	The Field Performance of MTC Maple Ridge Aggregates as Used for H.L. 1 and H.L. 4 Wearing Course Pavements	B.K. Glassford			
TVS-CV-81-111	The Fitting of Linear Driver Models to Simulator Derived Data (UTIAS report 255)	Reid, L.D.; Gral, W.O.; Solowka, F.N.; Billing, A.M.	June 1981	30	

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CVOS-TR-80-01	The Fuel Economy, Stability and Pavement Effects of the Wide Base Radial Tire	Snelgrove, F.B.	1981; June 1980	20	
EM-13	The Geotechnical Use of Filter Fabrics in Highway Construction	A.K. Barsvary; P. Korgemagi		3	Rev.
OC-79-01	The Grand Record Study of Motor Vehicle Collisions in Ontario	Lalonde, K.G.	April 1979	29	
SB-76-06	The Human Collision How Injuries Occur... How Seat Belts Prevent Them.	Lonero, L.; Stephen, K.	(1st Ed.) March 1975 (2nd Ed.) September 1976	15 88	
SB-78-03	The Human Collision, A Report on the Development and Evaluation of an Information Booklet on Seat Belts	Stephen, K.M.	April 1978	24	
TS-80-101	The ICTS Guideway Test Program	Billing, J.R.; Wagner, J.W.; Tiessienga, J.	March, 1980	1	

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TIL-76-7	The Ill-Conditioning Problem in Thick/Thin Shell Structural Analysis	J.R. Gandier	March 1976		
R.R.109	The Incidence of Stripping and Cracking of Bituminous Pavement in Ontario	Noga, M., Phang, W.A.		03	
TS-AP-78-113	The Journey to Work in Urban Ontario - Volume 1: Data Analysis and Interpretation				
TDF-81-02	The Licence Plate Photo Technique	Max Perrara; Gary Corupe	July, 1981	14	
TC-75-01	The Links Between MTC and the Public: A Profile and Analysis of Opinions of People Contacting MTC in the Eastern, Central and Northwestern Regions, as Well as the Downsview Office; Human and Social Factors Research Systems Research and Development Branch, MTC	K. Sharratt; A. Pipersberg; N. Gold	July, 1975		
SAR-81-01	The Market for Ridesharing in Ottawa-Carleton	Harding, M.	March, 1981	(Distributed in Ottawa)	



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EM-35	The Mays Ride Meter	J. Loughnan; R.C. Evers			
R.R.194	The McCowan Bridge Test: Prototype for Voided Post-tensioned Concrete Bridge Decks	Campbell, T.I.		139	186
R.R.190	The Mechanisms of Asphalt Stripping from Aggregate Surfaces	Framm, H.		48	
TVS-CV-82-108	The Obstacle Avoidance Manoeuvre as Performed in a Tractor/Semitrailer Truck	Reid, L.D.; Graf, W.O.; Billing, A.M.	June, 1982	29	
SB-76-02	The Ontario Province-Wide Telephone Seat Belt Survey of January 1976	Gardner, N.			
I.R.70	The Ontario Telephone Seat Belt Survey - An Evaluation	Gardner, N.		152	112



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SB-77-05	The Ontario Telephone Seat Belt Survey -- October 1975 - An Evaluation	Gardner, H.	August 1977		
SB-78-04	The Ontario Telephone Seat Belt Survey, October 1976 - An Evaluation	Gardner, N.	September 1978		
I.R.64	The Ontario Telephone Seat Belt Survey, Oct. 1975 An Evaluation	Gardner, N.		44	
AC-78-14	The Optimum Weight of Highway Noise Barriers		December, 1978	4	
R.R.117	The Overloading of Simple-Span Bridges	Jung, F., Tanberg, K.		01	
I.R.26	The PCA Road Meter Measuring Road Roughness of 50 mph	Chong, G., Phang, W.			

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ME-80-02	The Performance of Concrete Overlays on Bridge Decks (1976-1979)	Owens, M.J.; Manning, D.G.	February, 1981		
AC-79-07	The Performance of Sound Absorptive Reflective and T-profile Noise Barriers in Toronto			14	
SB-79-02	The Peterborough Regional Conference on Seat Belts: An Evaluation	Gorys, P.	May 1979	30	
MISC	The Portal Frame Bridge, Parts I and II		1977/78	3	
PAV-00-00	The Quality Assurance in Construction Project Phase 1, 1976; Parts I and II			01	
SF-00-01	The Quality of Life in the Cities	Brezina, E.; Schabrac P.A.; Gold, N.; Wilson, Dr. T.			

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ME-80-01	The Rehabilitation of Structures on an Urban Freeway	Manning, D.G.; Northwood, R.P.	August, 1980	12	
MISC	The Rescue and Extication of Victims Trapped in Accident Involved Vehicles		July, 1979	2	
SB-73-01	The Seat Belt Education Project	Lonerio, L.; Wilson, W.; Ish, D.M.	August 1973		
R.R.187	The Seatbelt Education Project	Ish, D., Lonero, I., Wilson, W.		15	
I.R.68	The Status of Seat Belt Usage in Ontario, May 1977	Pierce, J.; Bylok, J.		69	
TRE-81-03	The Two-vehicle Concept for Overweight/Oversize Permits	A.C. Agarwal	July, 1981	21	

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R.R.159	The Ultimate Load Capacity of Beam & Slab Bridges	Lash, S., Nagaraja, R.		File Copy Only	
R.R.223	The Use of Census Journey-to-Work Data in Ontario Municipalities	Hutchinson, B.G., Smith, D.P.		19	20
EM-25	The Use of Plastic Pavement Skirts to Eliminate Pavement Edge Cracking	B. MacMaster			
EM-32	The Variability of Lab Proctor Density Tests	A.K. Barsvary		Internal	
WE-74-02	The Variable Work Week: A Selected Bibliography, 1967 - Human, Social and Environmental Factors Section		April, 1974	3	
I.R.47	The Viatic Axle-Weight Analyzer & Analysis of the Axle-Load Data	Chong, G.; Stott, G.; Phang, W.		04	

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TS-80-110	The ICTS Guideway Test Program Addendum No. 1	Billing, J.R.	July, 1980		
SRR-80-03	Theoretical Live Load Analysis of Soil Steel Structures	Jackman, K.	1980	02	
R.R.161	Thermal Shrinkage Cracking of some Ontario Pavements	Haas, R.C.G.		13	
I.R.53	Thin Asphalt Pavements - A Performance Study	Phang, W.; Chong, G.		99	
TVS-AP-82-01	Third-Party Vanpool Program - A Review of U.S. Experience and the Development of a Suitable Option for Ontario	Allen, G.; Transport & Vehicle Systems	January, 1982	30 (reprinted as TVS-83-01)	
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SRR-80-02	To Be Published in 1981				
TIL-75-3	Track Stiffness Analysis	J. Gandier	October 24, 1975		
MISC	Traffic Control Manual for Roadway Work Operators		1981	1	
AC-77-02	Traffic Noise and High-Rise Balconies		April, 1977	30	
AE-81-01	Traffic Noise Barriers, Design for Sound Transmission			60	195

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TS-TR-78-109	Transit Vehicle Destination Signs	Dandy, J.	October, 1978		
R.R.169	Transportation Air Pollution	Hamelink, M., Peck, W.		01	
I.R.34	Transportation Air Pollution	Hamelink, M.; Peck		FILE COPY ONLY	
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MISC	Transportation Energy Conservation Options		November, 1975	1	

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OC-69-01	Traffic Offences - An Observational Study of the Ontario Driver Population - 1969	Bezina, E.H.			
DI-80-03	Traffic Tribunal Evaluation Statistics	Pierce,J.		To Be Published	
TVS-AP-81-114	Transit Demand Forecasting for Individual Bus Routes	Hajek, J.J.; Wong, J.W.	November, 1981	30	
MISC	Transit Fare Systems in Europe		November, 1977	26	
TVS-AP-81-116	Transit Information: A State-of-the-Art Report	Jones, A.K.; Allen, G.	September, 1981	37	
MISC	Transit System Reliability		September, 1973	2	



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I.R.27	Transportation Planning Programs: Road System	Johnson, G., Dial, R.		01	
TVS-00-00	TRANSPORTATION & VEHICLE SYSTEMS				
SRR-79-02	Transverse Moments in Bridges of Basic Form	Bakht, B.	1979		
R.R.220	Transverse Post-Tensioning of Longitudinally Laminated Timber Bridge Decks	Csagoly, P., Taylor, R.		5	127
TDF-82-02	Travel Demand Forecasting Input to the Priority Planning System		February, 1982	6	

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TKS-81-01	Truck and Bus Fuel Efficiency Improvement			20	
CVOS-79-03	Truck and Tractor Semitrailer Transient Offtracking Methods	Choi, C. ;Snelgrove, F.B.	April 1979	01	
TRE-81-06	Truck Compliance Rates Truck Inspection System	R. Slocum	December, 1981	19	
MISC	Truck Inspection Stations		February, 1975	1	

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TRE-81-10	Truck Purchasing Practices: A Pilot Study		November, 1979		
MISC	Truck Purchasing Practices: A Pilot Study		November, 1979	1	
TRE-81-05	Truck Regulation Violations Truck Inspection System	P. Gorys; H.C. Pang	November, 1981	31	
TRE-81-10	Truck Regulation Violations: A Pilot Study	P. Gorys; H. Pang	November, 1981	16	
MISC	Truck Transportation in the Province of Ontario, 1975		1975	4	
SRR-79-12	Truck Weights and Bridge Design Loads in Canada	Csagoly, P.; Data, R.	1978, 1979	03, 30	

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R.R.120	Tungsten Carbide for Snow Plow Blades	Fitzpatrick, J.		32	
MISC	Tunnelling Technology: An Appraisal of the State of the Art Application to Transit Systems		May, 1976	1	Available at the Gov't Bookstore
R.R.33	Uniformity of Application of Bituminous Binders in Surface Treatment Work	Leslie, A.			
TDF-81-02A	Urban Family Expenditure on Transportation (1953-78)		September 1981	9	
SAR-81-02	Urban Fringe Parking Study (Carpool Parking in the Toronto Commutershed)	Allen, G.	May, 1981	29	
MISC	Urban Rail Vehicle Running Gear: A State of the Art		October, 1977	20	

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MISC	Urban Transit Operations, an Introduction		June, 1979	40	
SRR-79-08	Use of the Simplified Methods of Analysis Specified in the OHBDC	Bakht, B.	1979	37	
I.R.37	Use of the Vane Test to Determine the Strength of Organic Soils	Sangrey, D.; Northwood, R.		13	
MISC	Utilization of Methanol-Based Fuels in Transportation		May, 1978	5	
I.R.75	Vacuum Processed Concrete Overlays	Hope, Brian B.; Dougal, David, G.; Manning, David G.		202	
CVOS-78-07	Validation of a Computer Model of Tractor-Semitrailer Handling that Includes Five Jackknife Control Devices	Billing, A.M.	August 1978	02	

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TIL-76-10	Vehicle Axle Spacing Measurement Using a Radar Based System	J. Gandier	March 1976		
LAB-80-06	Vehicle Detector System Study Part 1: Testing	Hsu, D.	May 1980	20	
LAB-80-07	Vehicle Detector System Study Part 2: Testing Technical Specification for Self-Tuning Vehicle Loop Detector Amplifiers	Hsu, D.	May 1980	14	
LAB-80-08	Vehicle Detector System Study Part 3: Recommended Material, Installation Acceptance Test and Maintenance Procedure for Loop Vehicle Detection Systems	Hsu, D.	May 1980	21	
MISC	Vehicle Maintenance and Fuel Economy		June, 1979	1	

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MISC	Vehicle Operating Characteristics on Outer Loop Deceleration Lanes of Interchanges		March, 1968	2	
MISC	Vehicle Performance Simulation Computer Program-Description of User Manual		September, 1977	1	
MISC	Vehicle Selection and Fuel Consumption of the Government Vehicle Fleet		March, 1978	40	
MISC	Vehicle Weight Regulation Across Canada		March, 1978	1	
R.R.151	Vehicle Weight Regulation and the Effects of Increased Loading of Pavments	Phang, W.		09	
R.R.214	Vehicle Weight Regulations Across Canada - A Technical Review with Respect to the Capacity of Highway Systems	Agarwal, A.		45	337

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TS-79-102	Vibration Behaviour of the MTC Exp. Subway Wheel	Strasberg, L.; Tiessenga, J.; Kono, K.			
AC-78-11	Vibration Damping Compound as a Means to Reduce Steel Noise Barrier Cost		November, 1978	5	
TIL-76-4	Vibration Testing of Damped and Undamped Steel Wheels	N. Perfect	Feb. 1976	3	
I.R.55	Vibrations from Concrete-Breaking Operations	Brown, L.		101	
PAV-00-00	Vibratory Compaction of Asphaltic Concrete: a Field Study		October 1973	20	
MISC	Visibility of Traffic Lines Under Adverse Conditions; Phase 1: Literature Review		April, 1979	1	



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R.R.112	Volume Density Relationships and Their Use In The Study and Prevention of Kinematic Waves in Traffic	Tory, E., Wheeler, R.		03	
R.R.122	Volume Warrants for Left-Turn Lanes at Unsignalized Grade Intersections	Hamelink, M.		09	
EM-55	Well Water Testing	R. Sterk			
MISC	Wheelchair Securement Hardware for Use in Vehicles for Transporting the Physically Disabled		January, 1979	1	
MISC	Wheel-Trans: Feasibility of Computer Aided Reservations, Scheduling, and Dispatching		August, 1980	13	

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DRS-82-03	Why Are Tires Underinflated? A Survey of Air Pressure Pumps and Tire Maintenance Practices	Blackman, A.K.	July, 1982	1	
R.R.183	Winter Accident Experience in Ontario With and Without Studded Tires	Smith, P.		56	241
MSP-80-09	Winter Maintenance Practice and Research in Ontario	Fromm, H.	1978		
MSP-82-02	Winter Maintenance Study for Reduced Salt Usage	Fromm, H.	September 1982	07	
WE-00-00	WORKING ENVIRONMENT				
DD-78-01	Young Drinking-Drivers - A Summary Report Internal Report - Not for Publication		January 1978		

## PROGRAM AND SECTION REPORTS

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AAP-00-00	AFFIRMATIVE ACTION PROGRAM				
AAP-79-01	Data Requirements for the MTC Affirmative Action Program	Boddy, D.L., Pang, H.C.	January, 1980	10	
AAP-80-01	Hire/Promotion Targetting	Pang, H.C.			
AC-00-00	ACOUSTICS REPORTS				
AC-77-01	A Laboratory Study of Annoyance Due to Traffic Noise and the Choice of Noise Descriptors	March, 1977	30		
AC-77-02	Traffic Noise and High-Rise Balconies		April, 1977	30	

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AC-77-06	Exterior Sound Levels of Individual Vehicles on Five Types of Concrete Pavements		August, 1977	27	
AC-77-07	Descriptors of Freeway Noise: A Guide for Transportation Planners		October, 1977	29	
AC-77-08	Noise Level Measurements in the Vicinity of Puslinch Crown Resource Management Area During Gravel Excavation Operations		November, 1977	12	
AC-77-09	Noise Barrier Attenuation Highway 401 South Side, Dixon Road to Kipling Avenue, Toronto		November, 1977	29	

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AC-78-02	Noise From Retextured and New Concrete and Asphalt Road Surfaces		January, 1978		
AC-78-03	Highway Noise Barrier Location For Maximum Benefit Cost		February, 1978	30	18
AC-78-05	Ambient Noise Level Measurements in the Area of the Proposed Winston Churchill Blvd. Overpass of the Queen Elizabeth Way		July, 1978	1	
AC-78-07	Ambient Noise Level Measurements Adjacent to the Proposed Extension of Highway 427 at Rexdale Blvd		June, 1978	3	

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AC-78-10A	Highway Noise Barriers - An Audio Visual Program Part I - User's Guide				
AC-78-10B	- 10A, Slides and Cassette Package			3	
AC-78-11	Vibration Damping Compound as a Means to Reduce Steel Noise Barrier Cost		November, 1978	5	
AC-78-12	Roadside Noise from Carpet Seal, HLI Asphalt and Worn Concrete Pavements in Campbellville, Ontario		December, 1978	30	36

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AC-78-14	The Optimum Weight of Highway Noise Barriers		December, 1978	4	
AC-78-15	Ambient Noise Level Measurements in the Vicinity of a Proposed Noise Barrier, Hwy. 401 South and North Sides, Yonge St. to Bayview Avenue, Toronto		December, 1978	16	
AC-78-16	Proceedings of Noise Barrier Seminar			10	
AC-79-01	Durability of Various Sound Absorbing Materials for Highway Noise Barriers		March, 1980	29	44



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AC-79-03	Ambient Noise Level Measurements in the Vicinity of a Proposed Noise Barrier - Queensway North Side of Sherbrook Avenue to Island Park Crescent, Ottawa		April, 1979	17	
AC-79-05	Highway Noise Barrier Perceived Benefit		June, 1979	8	
AC-79-06	Highway Noise Barriers - New Shapes		July, 1979	10	
AC-79-07	The Performance of Sound Absorptive Reflective and T-profile Noise Barriers in Toronto			14	
AC-79-08	Relative Influence of Pavement Texture and Tire Type on Pavement/Tire Noise			30	81

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AC-80-01	Performance of Parallel Highway Noise Barriers, Yonge St. to Bayview Avenue, Toronto		March, 1980		
AC-80-02	Simplified Free Field Highway Traffic Noise Predictions		April, 1980	1	
	Design Principles for Highway Noise Barriers		November 1975	01	
AE-00-00	ACOUSTICS AND THE ENVIRONMENT				
AE-80-03	Noise Barrier Attenuation Hwy 401 North Side East of Avenue Road, Toronto			09	

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AE-81-01	Traffic Noise Barriers, Design for Sound Transmission			60	195
AE-81-02	Ambient Sound Level Measurements, Smooth Rock Falls			Limited Distribu- tion	
AE-81-03	The Effects of Parallel Highway Noise Barriers			29	49
AE-81-04	Sound Environment Between Parallel Barriers and in Cuts			30	51

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AE-81-06	Highway Noise Barriers Options - East of Cawartha Road			1	
AE-81-07	Manual Method of Predicting Highway Traffic Noise and Sound Barrier Performance			3	105
AE-81-08	Noise Barrier Attenuation, Hwy. 401, North Side East of Jane St., North York			16	
AE-81-09	Noise Barrier Attenuation, Hwy. 401, North Side East of Bayview Ave., North York			1	

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AE-82-02	Accoustical Performances of Noise Barriers: Highway 417, North and South Sides, West of Woodroffe Avenue, Ottawa			24	
AE-82-04	Ambient Sound Level Measurements, Peterborough			31	
AE-82-05	Simplified FHWA Noise Predication Method			20	

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AE-83-01	Guidelines for Noise Barrier Cost Reduction Procedure	Krawczyniuk, R., Hajek, J.	May 1983		
AE-83-02	Ground Attenuation Effect of Highway Traffic Noise for Height and Distance	Jung, F.W.	May 1983		
BM-00-00	BICYCLES AND MOTORCYCLES				
BM-70-01	Ontario Department of Transport - Technical Bulletin 70-01. An Investigation of Rider Bicycle & Environmental Variables in Urban Bicycle Collision	Kramer, M.	October, 1970	84	

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BM-74-01	Report on Motor-Driven Cycles — Primary Report	Blanchette, L.M., Haworth, J.E.	June 1974		(Contact Systems Research 7191)
BM-78-01	Single Vehicle Motorcycle Accidents-A Comparison of Characteristics with Single Vehicle Automobile Accidents	Pang, H.C.	July, 1978	5	(IR 69)
BM-81-01	Motorcycle Licencing Evaluation Status Report	Pierce, J.			Not Yet Published
CSRD-00-00	CONTROL SYSTEMS RESEARCH AND DEVELOPMENT				
CSRD-79-02	Municipal Traffic Control Systems for Ontario Municipalities Phase I Report	Heti, G., Whitehead, D.	March, 1979	34	

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CSRD-82-01	Design Specifications of a Work Station for Five Platform Scale Truck Inspection Stations	Brown, M.R. Duncan., D. Noy, Y.I.	October, 1982	25	
CSRD-83-01	SSTOP User's Guide and Offline Signal System Optimization Program		February, 1983	1	
CSRD-83-02	Permanent Counting Stations - Master Software	Wiercienski, W.J.	January, 1983	25	
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CVOS-77-02	HOPE Anti-Jackknifing Device Testing: Description and Data Analysis	Meleskie, L.;Billing, A.M.	April 19, 1977		
CVOS-77-03	Measurement of Longitudinal Tire Friction Properties for the MTC Articulated Test Vehicle	Billing, A.M.;Slauin, J.	1977		
CVOS-77-04	Load Transfer Between A Tractor and Semi-Trailer	Strasberg, L.	1977		

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CVOS-78-01	Effect of Lawlor Length on Double Trailer Stability	Schroeder, E.F.		Not Published	
CVOS-78-02	Computer Program WPTRAJ Trajectory Calculation Program	H.L.I.; Billing, A.M.			
CVOS-78-03	Program AVCORR: A Procedure for Comparing Digital Line Services	Billing, A.M.	March 10, 1977		

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CVOS-78-05	Braking Decelerometer Tests on Tractor Trailers	Kennedy, W.			
CVOS-78-06	Techniques for Fuel Economy Evaluation of Truck Lines	Choi, C.	April 1978		
CVOS-78-07	Validation of a Computer Model of Tractor-Semitrailer Handling that Includes Five Jackknife Control Devices	Billing, A.M.	August 1978	02	
CVOS-78-08	AVPLOT Digital Plotting Program	E.F. Schroeder	June 1978	Not Published	

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CVOS-78-11	Program ABCOMERG Combining Two Files of Reduced Data for a Single Run into One	Choi, C.	August 1978		
CVOS-79-01	Roll Stability Analysis of Tractor Trailers Using Eigenvalues	Choi, C.	April 1979	01	
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CVOS-79-05	Computer Program AVCAL: Channel Configuration and Calibration Maintenance	A.M., Billing	May 1978		
CVOS-79-06	Air Lift Axle Study	Snelgrove, F.B.; Choi , C.	September 1979	12	
CVOS-TR-80-01	The Fuel Economy, Stability and Pavement Effects of the Wide Base Radial Tire	Snelgrove, F.B.	1981; June 1980	20	

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CVOS-80-03	Performance Evaluation of Several Jackknife Control Devices	Snelgrove F.B.; A.M. Billing; Choi, C.	September 1980	26	
CVOS-80-04	Commercial Vehicle Air-Brake Timing - A Specification Evaluation	Wolkowicz, M.; Stephenson, W.	December 1980	05	
CVOS-80-05	Computer Program AB22050B Driver Obstacle Avoidance Model	Billing, A.M.	June 1980		
CVOS-80-07	A Preliminary Simulator Study of the Obstacle Avoidance Manoeuvre	Reid, L.D.; Graer, W.O.; Billing, A.M.	November 1980	20	

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DB-81-01	A Literature Review of Research on the Actions of Drivers in Emergencies	Goodfellow, G., Hich, D.J.; Snelgrove, F.	October 1981	45	
DD-00-00	DRINKING/DRIVING				
DD-70-01	Driving	Dept. of Transport	1970	61	
DD-73-01	The Drinking and Driving Campaign December 10-31 1973 - Safety Research & Development Section			33	

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DD-75-01	Drinking-Driving in the Province of Ontario. A Review of "Check Stop" and the 24 hour Licence Suspension	Morton, H.;Bolton, W. Supt.; Hieatt, D.; Cunliffe, T.			
DD-78-01	Young Drinking-Driver's - A Summary Report Internal Report - Not for Publication		January 1978		
DD-79-01	The 1979 Ontario Roadside BAC Survey Summary Report Interministerial Committee on Drinking-Driving		February 1980	09	
DD-79-02	Summary Report, Phase I Research for the Development of Educational material on Young Drinking/Driving A Report submitted to the Ontario Ministry of Transportation and Communications, Research and Development Division	Marcus, A.	March 1979	09	



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DD-80-02	Evaluation of the Preliminary Version of the Drinking/Driving Curriculum Unit "Three for the Road"	Marcus, A.; Duncan, D.	April 1981	13	
DE-00-00	DRIVER EDUCATION				
DE-79-01	Evaluation of the Onario Driver's Handbook: A Preliminary Study	Clifford, L.; Deslauriers, B.;	December 1979	06	
DE-80-01	Revision and Evaluation of Driver Education in Ontario Phase 1: Development of an Education Plan	Bragg,B.; Clifford,L.; Deslauriers,B.		05	

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DE-80-03	Revision and Evaluation of Driver Education in Ontario: Summary of the First and Second Phases of the Study	Clifford,L.; Deslauriers,B.		79	
DE-81-01	Evaluation of the Ontario High School Driver Education Delivery System	Clifford, L.; Kenzie, R.			
DI-00-00	DRIVER IMPROVEMENT				
DI-79-01	Evaluation of the Driver Improvement Pilot Project	Gorys, P.	September 1979	03	

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DI-79-02	Demerit Point Allocation Study	Gorys, P.; Pang, H.C.	October 1979	14
DI-79-03	Driver Improvement Programs: A Review of Literature	Marcus, A. Clifford L.; Deslauriers, B.	December 1979	
DI-79-04	Beginner Driver in Ontario	Gardner, N.	December 1979	
DI-80-01	Reward and Punishment in Driver Control	Murdock, P.A.; Wilde, G. .	January 1980	29
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DI-81-02	Deterrent Effects of Demerit Point System	Maxwell,S.;Clifford, L.	(To Be Published)		
DI-81-02	Ontario Drivers' Knowledge of and Attitude Toward the Demerit Point System	Santa Barbara; McDonald; Clifford,	December 1981	02	
DI-81-03	Evaluation of the Driver Improvement Counsellor Training Program	MacLeod, P.; Clifford, L.	December 1981	24	



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DL-80-02	Design of a Self-Report Measure of Driving Experience	Envirionics; Research Group		36	
ECN-00-00	ECONOMICS				
ECN-81-01	Micro Impact Evaluation System: A New Methodology for Evaluation of Public Projects	Prof. Nahum Biger;Kuhn,Prof. Tillo;Levin, Sid;Slocum, R.	August 1981	29	

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ECN-82-01	A Model of the Employment, Trade and Tax Ramifications of the Provincial Highways Spending Program (MIES 3)	Slocum, R.	December 1982	40	
EM-0	ENGINEERING MATERIALS	Available-Room 311, Central Bldg.(248-3286)			
EM-1	Geotechnical Metric Guide (Obsolete; Contact Record Services, 248-3531	A.K. Barsavary			
EM-2	Evaluation ACME BETA Series Expansion Joint System Model 240	J.I. MacDougall			

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EM-5	Performance of the Rapid Analysis Machine in Determining Cement Content of Plastic Concrete - Part 2 - Field Evaluation	P.K. Mukherjee			
EM-6	An Investigation of the Durability of Shale of the Meaford-Dundas Formation from the Intersection of Highways #401 and #403	C.A. Rogers			
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EM-66	Evaluation of Short Cut Gradation Test Procedures	M.D. MacLean			
EM-67	Guidelines for Acceptance Sampling and Testing of Granular Materials	Quality Assurance Sub-Committee (Soils and Aggregates)			
EM-68	Provincial Highways: Comparison of Methods for the Determination of Bitumen Content in Bituminous Concrete Mixtures				

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EM-1Rev.	Geotechnical Metric Guide	A.K. Barsavary			
EM-9Rev.	Evaluation of Anti-Stripping Additives for Asphaltic Concrete Mixes -Effectiveness and Recommended Usage	F. Field			
HP-00-00	HEARING PROTECTION				
HP-82-01	Subjective Assessment of the Impact of Hearing Protectors on MTC Highway Equipment Operators	D. Duncan	August 1982	28	
IE-00-00	ILLUMINATION REPORTS				
IE-81-01	Luminaire Performance on Illuminated Overhead Signs	A. Maghsoudi; F.W. Jung	January 1981	13	

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IE-82-01	Luminance of Road Surfaces for Fixed Highway Lighting Design and the Ontario Road Reflectance Matrix Photometer (ORRMP)	F.W. Jung; M.G. Basset; S. Dmitrevsky; P. Kramer	January 1982	35	
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IE-82-02	Reflectorized Sheeting Material for Overhead Signs: Performance and State of the Art Review	A. Titishov; F.W. Jung	December 1982	130	
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TIL-74-1	Noise Measurement from Renfrew Bypass	L. Brown	1974	4	
TIL-75-1	Design of Commercial Vehicle Braking Device	L. Brown	October 10, 1975	1	
TIL-75-2	Not Assigned				
TIL-75-3	Track Stiffness Analysis	J. Gandier	October 24, 1975		



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TIL-75-5	Measurement and Display of Vehicle Acceleration/Deceleration (Fuel Economy Tests)	Fischer, A.; Brown, L.	November 7, 1975		
TIL-75-6	Noise Measurements on Two Sullair Compressors	Desomeaux, J.	November 19, 1975		
TIL-75-7	Not assigned				
TIL-75-8	Noise Survey Q.E.W. Proposed Plan of Subdivision Part Lots 1,2,3, Con. 2 S.D.S. Oakville	Godard, D.J.	November 27, 1975		

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TIL-75-9	Instrumentation of the Parley Bridge (Highway #39 Hawkesbury)	Wagner, W.	December 10, 1975	7	
TIL-75-10	Not assigned				
TIL-75-11	Parley Bridge Dynamic Data Acquisition	J.R. Gandier	December 10, 1975	3	
TIL-75-12	Procedures for the Transfer of Articulated Vehicle Test Data to the MTC/IBM Computer System	J.R. Gandier	December 16, 1975		
TIL-75-13	Temperature Characteristics of S/G's Installations Used on Structural Steel at Conestogo Bridge Test Structure	J.W. Wagner	December 1975		

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TIL-76-1	Plotting Computer Program for Dynamic Bridge Test Data to IBM System	J.R. Gandier	January 1976		
TIL-76-2	Plotting Computer Program for Dynamic Bridge Test Data	J.R. Gandier	January 1976		
TIL-76-3	Noise Measurements Highway 401 Through Oshawa District #7 - Port Hope	J. Desormeaux	January 25, 1976		
TIL-76-4	Vibration Testing of Damped and Undamped Steel Wheels	N. Perfect	Feb. 1976	3	
TIL-76-5	Static Load and Deflection Tests on Steel Wheels	N. Perfect	March 1976		

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TIL-76-6	Structure Analysis of Ride Comfort Data collected by TTC	J. Tiessienga	March 1976		
TIL-76-7	The Ill-Conditioning Problem in Thick/Thin Shell Structural Analysis	J.R. Gandier	March 1976		
TIL-76-8	Noise Survey at Munn's United Church	D.J. Godard	June 10, 1976		
TIL-76-9	(Reserved for J. Tiessienga)				
TIL-76-10	Vehicle Axle Spacing Measurement Using a Radar Based System	J. Gandier	March 1976		

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TIL-76-11	The Brake-Meter. Design and Evaluation of an Instrument for Testing Brakes on Commercial Vehicles	L. Brown; A. Fischer	March 1976		Not Issued
TIL-76-12	Sound Level Test, Wolfe Islander III, Amherst Islander and Glenora Ferries	D.J. Godard	April 2, 1976		
TIL-76-13	Second Report of Barrack Street Docks in Kingston	D.J. Godard	April 2, 1976		
TIL-76-14	Ambient Noise Level Measurements for the Northwest Metro Arterial	T. Maio	February 20, 1976		
TIL-76-15	Braking - Decelerometer Design and Evaluation of an Instrument for Testing Brakes of Commercial Vehicles	L.M. Brown; A. Fischer	June 6, 1976		

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LAB-00-00	LABORATORY				
LAB-0-09	A Comparison of Theoretical and Experimental results of 1st Fundamental Flexural Frequency of Bridges	Tiessienga, J.	April 1980		
LAB-79-01	Design and Construction of an AC/DC Remote Voltage Programming Amplifier	Fischer, A.	January 1979		
LAB-79-02	Control Box for the Photographic Inventory Van	Fischer, A.	March 1979		
LAB-79-03	Investigation of Stability and Curving of a Rail Transit Vehicle Testing and Instrumentation (also entered as TS-79-101)	D. Hsu; S. Skelton	June 1979	01	
LAB-79-04	Recommended Vehicle Detector Loop Installation Procedures	Hsu, D.	August 1979		
LAB-79-05	Dynamometer Procedures	Perfect, N.	December 1979	01	

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LAB-80-01	Dynamometer Facility Procedures - computer operation	Skelton, S.	January 1980	01	
LAB-80-02	Dynamometer Computer Programming Manual	Skelton, S.	January 1980	20	
LAB-80-03	Dynamometer Facility Hardware Manual	Skelton, S.	February 1980		
LAB-80-04	Design & Testing of a Demountable Strain Gauge	Wagner, J.W.	February 1980		
LAB-80-05	Inventory Check 1979/80	Jones, G.	February 1980		

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LAB-80-06	Vehicle Detector System Study Part 1: Testing	Hsu, D.	May 1980	20	
LAB-80-07	Vehicle Detector System Study Part 2: Testing Technical Specification for Self- Tuning Vehicle Loop Detector Amplifiers	Hsu, D.	May 1980	14	
LAB-80-08	Vehicle Detector System Study Part 3: Recommended Material, Installation Acceptance Test and Maintenance Procedure for Loop Vehicle Detection Systems	Hsu, D.	May 1980	21	
LAB-81-01	An Exhaust Emissions and Fuel Economy Testing Laboratory for Light Vehicles	Perfect, N.	July 1981	07	
LAB-81-02	Design and Testing of a Demountable Strain Gauge Testing Laboratory for Light Vehicles	Wagner, J.W.	July 1981	17	



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LAB-82-01	Maintenance Manual for the QEW Surveillance and Control System	Kwok, W.	September 1982	28	
LAB-82-02	Noise Exposure Assessment in MTC Snowplows	Blaney, C.T.	May 1982	07	
LAB-82-03	Development of a Demountable, Re-usable Transducer for the Measurement of Strain in Steel Structures	Wagner, J.	August 1982	35	
LAB-82-04	A Review of the Service History of Three Volkswagon Vehicles During Testing on Methanol Fuel	Simmons, C.E.	July 1982	15	
LAB-00-00	Permanent Counting Stations (PCS): Microcomputer Programming Manual	Skelton, S.	September 1982	20	

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M-00-00	MISCELLANEOUS				
M-72-01	Citizen Participation in the Highway 417 (Ottawa) Study - Human, Social and Environmental Factors Research Section	Sharratt, K.	February, 1972		
M-75-01	Highway 402 Feasibility Study Strathroy to Highway 401: A Case Study - Human and Social Factors Research Section	Mills, R.P.	January, 1975		
M-76-01	Comparison Testing of Traffic Control Signs (Permissive vs Prohibitive Turn Controls), Drivers & Vehicles Operations Research	Young, P.	May, 1976		
M-77-01	Future Studies Research Project: A Preliminary Identification of Some Future Developments which Influence MTC Policy, R & D Division	Sharratt, K.	January, 1977		
M-82-01	Shallow Caisson Foundations for Light Poles, Sign Posts and Noise Barrier Columns	Jung, F.W.	December, 1981 (reprinted March, 1983)		

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M-83-01	Littering and Vandalism	Gorys, P.	April 1983	24	
M-83-02	Evaluation of the MTC Joint Health and Safety Committee Structure	Lewy-Coughlin Partnership for D. Duncan	August 1983		
ME-00-00	MATERIALS AND ENVIRONMENT				
ME-79-01	Ontario's Experience with Concrete Overlays for Bridge Decks	Manning, D.G.; Jones, M.T.	April, 1982	50	
ME-79-02	A Strategy for the Rehabilitation of Concrete Bridge Decks	Manning, D.G.; Ryell, J.	May, 1982	50	

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ME-80-01	The Rehabilitation of Structures on an Urban Freeway	Manning, D.G.; Northwood, R.P.	August, 1980	12	
ME-80-02	The Performance of Concrete Overlays on Bridge Decks (1976-1979)	Owens, M.J.; Manning, D.G.	February, 1981		
ME-80-82	Detecting Delamination in Concrete Bridge Decks	Manning, D.G.; Holt, F.B.	July, 1982	50	
ME-81-03	Requirements for Deck Joints in Highway Structures	Manning, D.G.; Holt, F.B.	September, 1982	50	
ME-82-01	Deterioration of Bridge Superstructures, Phase 2	Holt, F.B.	January, 1982	2	

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ME-82-02	Detection of Delaminations Below Asphalt-Wearing Courses on Concrete Bridge Decks	Holt, F.B.	May, 1982	8 (Interim Report)	
ME-82-02	Design and Performance of Bituminous Friction Course Mixes		January, 1982	8	
ME-82-03	Detecting Deterioration in Asphalt-Covered Bridge Decks	Manning, D.G.; Holt, F.B.	September, 1982	1	
ME-83-02	Cathodic Protection of Bridge Structures, Burlington Skyway Test Site. Design & Construction Phases	Schell, H.C.; Manning, D.G.; Clear, K.C.	September 1983		

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MSP-00-00	MATERIALS AND ENVIRONMENT SPECIAL PROJECTS				
MSP-80-01	Electrically Conductive Asphalt Mixes for the Cathodic Protection of Concrete Brodge Decks		1976	04	
MSP-80-02	A Statistical Evaluation of Sampling Methods and Bituminous Concrete Compaction		1978	20	
MSP-80-03	Sulphur-Asphaltic Concrete-Three Ontario Test Roads		1979	12	
MSP-80-04	Cathodic Protection of Bridge Decks: A Study of Three Ontario Bridges		1976	01	

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MSP-80-05	Measurement of Polarized Potentials in Concrete Bridge Decks		1978	30	
MSP-80-06	Cathodic Protection of Bridge Decks, Three Years Successful Application to an Ontario Deck (To be published)		1980	29	
MSP-80-07	Cathodic Protection of Rebar in Concrete Bridge Decks	Framm, H.	1977		
MSP-80-08	Rebar Corrosion in Canada	Framm, H.	1979		
MSP-80-09	Winter Maintenance Practice and Research in Ontario	Framm, H.	1978		

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MSP-80-10	Anti-Icing Compound for Bridge Decks and Road Surfaces - Progress Report	Fromm, H.		02	
MSP-80-11	A Laboratory and Field Evaluation of Air-Blown, Low Viscosity, Waxy Asphalts from Western Canadian Crudes	Fromm, H.	1976	22	
MSP-80-12	Cathodic Protection for Concrete Bridge Deck Restoration - An Interim Report (Revised)	Fromm, H.	1980; March 1981	10	
MSP-81-01	Cathodic Protection for Concrete Bridge Deck Restoration	Fromm, H.	April 1981	26	
MSP-81-02	Rubber Asphalt Test Roads - Progress Report 1981	Fromm, H.	April 1981	18	



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MSP-81-03	An Evaluation of Platinized Niobium Wire Anodes for Cathodic Protection of Bridge Support Structures	Fromm, H.	September 1981	29	
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MSP-82-02	Winter Maintenance Study for Reduced Salt Usage	Fromm, H.	September 1982	07	
MSP-82-04	Evaluation of Galvanized Rebars for Concrete Bridge Decks - Interim Report	Fromm, H.	October 1982	25	
MSP-82-05	Solar Power for Cathodic Protection of Bridge Decks	Pianca, F.	November 1982	15	

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MSR-80-002	Bituminous Friction Course Sections at Lindsay, Ontario		November, 1980	30	
MSR	Construction and Performance of Bituminous Friction Course Sections of Lindsay, Ontario		September, 1979	30	

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NB-00-00	NOISE BARRIER				
NB-00-00	Noise Barrier Test Site - QEW/Cawthra Road - Before Barrier Social Survey	McDonald, T.; Santa- Barbara, J.; Gorys, P., MTC; Pierce, F.A., MTC	March 1982	30	
NB-72-01	A Report Concerning the Effects of Urban Freeway Noise on Residents Living Adjacent to Freeways	Gold, N.	May 1972		
NB-76-01	Privacy Fence: A Survey of Public Reaction to the Privacy Fence Located Along Highway 401 Within Metro Toronto Between Victoria Park and Warden Ave.	Andrew, C.; Sharratt, K.	June 1976	30	

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NB-77-01	Etobicoke Freeway Noise Social Impact Survey, Phase 1 - Fall 1976	Deslauriers, B. Environics Research Group MTC	January 1977		
NB-79-01	Highway Noise Barriers: A Review of Non-Acoustical Effects	Kornets, J.; Sharratt, K.	March 1979	17	
NB-79-02	Analysis of Noise Barrier Impact on Dissatisfaction with Freeway Annoyances	Shcliewinsky, F.; Adams, M.; Environics Research Group	April 1979	30	
NB-80-01	Noise Barrier Social Impact Study: Highway 401 Between Don Valley Parkway and Victoria Park Ave.	Deslauriers, B.; Gorys, P. Info Results Ltd.	March 1980	30	
NB-80-02	Overview of MTC Noise Barrier Social Survey Research	Adams, M.; Environics Res. Group; Deslauriers, MTC; Gorys, P., MTC	July 1980	19	

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OC-69-01	Traffic Offences - An Observational Study of the Ontario Driver Population - 1969	Bezina, E.H.			
OC-72-01	Study of the Effect of the Used Car Inspection Program on the Collision Rate at Passenger Cars and Dual Purpose Vehicles	Pierce, J.; Binsell, R.; Thomas, A.; Brezina, E.	September 1972		
OC-76-01	Trend Analysis of Population -- Motor Vehicle Registration Licensed Drivers, Vehicle Miles on Travel and Accidents in the Province of Ontario	Pang, .C.	November 1976		
OC-77-01	Study of Motor Vehicle Accident Occupant Facilities in Ontario in 1976 - Report of Data Acquisition	J.A. Pierce	April 1977		

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OC-77-01	Trend Analysis of Population -- Motor Vehicle Registration Licensed Drivers, Vehicle Miles on Travel and Accidents in the Province of Ontario	Pang, H.C.	November 1976		
OC-77-02	Report to the Select Committee on Traffic Safety Drivers First Licensed in Ontario - October 1969 - October 1975	J. Pierce	1977		
OC-78-03	Preliminary Data Analysis and Literature Search of Motor Vehicle Collision on Curved Roads	Goodfellow, G.	March 1978	02	
OC-79-01	The Grand Record Study of Motor Vehicle Collisions in Ontario	Lalonde, K.G.	April 1979	29	

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PAV-00-00	Developing a Structural Design System for Ontario Pavements		1970-74	19	
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PAV-00-00	OPAC Guidelines		1974	23	
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PAV-00-00	Pavement Condition Ratings and Rehabilitation Needs		1979	30	1
PAV-00-00	Pavement Drainage in a Seasonal Frost Area, Ontario		November 1981	39	
PAV-00-00	Pavement Management in Ontario, 1980		May 1980		
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PAV-00-00	Rehabilitation of Thermally Cracked Pavements		1975	01	
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PAV-80-03	Choosing Cost Effective Maintenance		1981	30	
PAV-80-04	Preventive Pavement Maintenance Concepts		1981	49	
PAV-81-01	Ontario Flexible Pavement Distress Assessment for use in Pavement Management			48	

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RE-80-01	Dynamic Testing of Sign Truck Crash Barriers	Jung, F.W.; Maghsoudi, A.; Prabudy, D.	June 1981	30	
RM-00-00	RAMP METERING				
RM-76-01	Background Consultant Reports Re: Public Attitudes to Ramp Metering on the Q.E.W.	Market Facts Canada Ltd.	1976	5 (& 3 Draft Copies)	
RM-78-01	QEW Freeway Surveillance & Control System Demonstration Project	Case, E.R.; Williams, K.M.	January 1978	03	

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RM-79-01	Public Attitudes Towards Ramp Metering, The Q.E.W. Freeway, Surveillance and Control Project	Deslauriers, B.; Sharratt, K.	March 1979	39	

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S-74-01	Speeds and Accidents - A Preliminary Report	Safety Research	August 1974	67	
S-76-01	Reduce Speed Limits in Ontario - Their Effects on Motor Vehicle Operating Speeds and Energy Consumption	Gardner, N.; Young, P.B.; Cunliffe, A.P.	September 1976		
S-76-02	Speed Reduction for Safety and Economy, The Situation in Ontario, Presented to the Annual Conference of the Western Canada Traffic Assoc.	Cunliffe, A.P.	October 1976		
S-77-01	Reduce Speed Limits in Ontario -Their Effects on Motor Vehicle Operating Speeds	Gardner, N.	August 1977		

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S-78-01	The Effects of Reduced Speed Limits on Motor Vehicle Operating Speeds in Ontario	Gardner, N.	January 1978		

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SB-00-00	SEAT BELTS				
SB-00-00	Seat Belt Usage and Driver Attitude Survey, May 1981: A Summary Report	Bylck, J.; Gorys, P.; Pang, H.C.	1982	15	
SB-00-01	Evaluation of the Effects of Seat Belt Information and Legislation in Ontario	Lonero, L; Gardner, N.; Pang, H.; Pierce, J.; Toomer, M.; Young, P.			
SB-70-01	The Effectiveness of a Film Seminar Session in Inducing Increased Use of Seat Belt	Wilson, W.T.	March 1970		
SB-73-01	The Seat Belt Education Project	Lonero, L.; Wilson, W.; Ish, D.M.	August 1973		
SB-75-01	The Design and Implementation of a Seat Belt Education Program in Ontario	Cunliffe, A.P.; DeAngelis, F.; Foley, C.; Lonero, L.P.; Pierce, J.A.; Siegal, C.; Smutylo, T.; Stephen, K.M.	September 1975		



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SB-76-01	La Collision humaine: Comment les blessures se provisent...et comment les ceintures les previnennent	Lonero, L; Stephen, K.	January 1976		
SB-76-02	The Ontario Province-Wide Telephone Seat Belt Survey of January 1976	Gardner, N.			
SB-76-03	Adoption of Shoulder Belt Use and Changes in Driver Attitudes in Response to the Ontario Seat Belt Legislation: Report on Aggregate Data, Studies of Safety in Transport, Queen's University, Kingston Ontario	Wilde, G.J.S., Ph.D; Cunningham, L., B.A.	May 1976	04	
SB-76-04	A Brief Summary of the Results from the Ontario Seat Belt Observational Survey	Pang, H.C.	May - June 1976		

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SB-76-05	Seat Belt Use in Ontario. A Preliminary Report	Pierce, J.; Pang, H.C.	July 1976		
SB-76-06	The Human Collision How Injuries Occur... How Seat Belts Prevent Them.	Lonero, L.; Stephen, K.	(1st Ed.) March 1975 (2nd Ed.) September 1976	15 88	
SB-76-07	Evaluation of the Effect of Seat Belt Legislation in Ontario: Preliminary Report	Pierce, J.; Toomer, M.; Gardner, N.; Pang, H.; Orłowski, C.	October 6-8, 1976		
SB-76-08	Safety Belt Use Legislation Ontario's Experience The First Six Months	Cunliffe, A.P.	October 1976		
SB-76-09	The Effect of Mandatory Restraint System Legislation on Motor Vehicle Collision Victims in the Counties of Frontenac, Lennox-Addington: A Preliminary Report	Dagnone, L.E.	November 1976		

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SB-77-01	Safety Belt Use -- A Mandate for Survival			30	
SB-77-02	Belt Use in Ontario After 10 Months Following Mandatory Seat Belt Legislation	Pierce, J.	March 1977		
SB-77-03	Shoulder Belt Use Related to Sex, Age, Moving Speed and Weather Conditions, Studies of Safety in Transport, Queen's University, Kingston	Wilde, G.S.	March 1977		
SB-77-04	Status of Seat Belt Legislation in Ontario -- An Evaluation	Pierce, J.; Bylok, J.; Lalonde, K.; Pang, H.C.	May 1977		
SB-77-05	The Ontario Telephone Seat Belt Survey -- October 1975 - An Evaluation	Gardner, H.	August 1977		

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SB-78-02	Changes in the Number and Cost of Motor Vehicle Injury Victims in Ontario Following the Introduction of Seat Belt Legislation and Highway Speeds Limit Reduction, 1975-1976	Monitoring System Committee, Ministry of Health MTC	March 1978	45	
SB-78-03	The Human Collision, A Report on the Development and Evaluation of an Information Booklet on Seat Belts	Stephen, K.M.	April 1978	24	
SB-78-04	The Ontario Telephone Seat Belt Survey, October 1976 - An Evaluation	Gardner, N.	September 1978		
SB-78-05	An Analysis of Seat Belt Usage in Ontario May 1978	Statistis Search	October 1978	20	

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SB-78-06	Roadside Seat Belt Attitude Survey, Spring 1978	Lalonde, K.G., Research Info. Services	November 1978	20	
SB-79-01	An Analysis of Seat Belt Usage In Ontario, March 1976	Statistis Search	March 1979	17	
SB-79-02	The Peterborough Regional Conference on Seat Belts: An Evaluation	Gorys, P.	May 1979	30	
SB-79-03	Mandating the Use of Child Restraints: A Brief to the Review Task Force in Crash Protection for Child Passengers ---From the Ontario MTC May 1979	Humphries, R.H.; ADM; Smytlo, T., Drivers & Vehicles			
SB-79-04	Roadside Seat Belt Attitude Survey, May 1977	Lalonde, K.	September 1979	20	

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SB-00-00 SB-79-05	SEAT BELT An Evaluation of the Seat Belt Film "Dice in a Box"	Nijboer, G.; Deslauriers, B.; Gorys, P.	September 1979		
SB-79-06	Restraint System Utilization and its Consequences Among Victims of Motor Vehicle Collision in Southern Ontario - Counties of Frontenac and Lennox- Addington, Ontario	Dagnone, L.E.; Siu, T.O.	December 1979	32	
SB-80-01	Seat Belt Education Programme for Elementary School Children in Ontario: Citizen Seat Belt	Stephen, K.	January 1980	20	
SB-80-02	Safety Benefits of the Seat Belt Legislation and Speed Limit Reduction in Ontario	Pierce, J.	February 1980, July 1980	20, 30	
SB-81-01	Seat Belt Related Injuries				
SB-00-00	Seat Belt Usage and Driver Attitude Survey, May 1981	Byloc, J.; Gorys, P.; Pang, H.C.			

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SB-81-01	Seat Belt Related Injuries An Investigation of Automobile Collisions to Determine the Types of Injuries that May be Caused by Wearing Seat Belts		September 1981	30	
SF-00-00	SOCIAL FACTORS				
SF-00-01	The Quality of Life in the Cities	Brezina, E.; Schabrac P.A.; Gold, N.; Wilson, Dr. T.			
SF-71-01	Social Factors Project - Interim Report	Wilson, W.T.	May 4, 1971		
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WE-73-01	Staggered Hours Demonstration Preliminary Results of the Travel Survey of Ontario Government Employees - Report #1 A) MCCR, B) MDE, C) MGS, D) MDL, E) OGC, F) MDR, G) MTC H) Min. of Treasury, Economics, and Intergovernmental Affairs	Mills, F.A.; Peterson, D., R & D; Hennun, C.A.; Shallal, A., Planning Division	June, 1973	4 2 2 3 3 2 4 4	

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